

Appendix E ECOTox Open Literature Results

Acrolein Refresh Papers that Were Accepted

Accepted for EcoTox and OPP

Albarino, R., Venturino, A., Montagna, C. M., and Pechen de D'Angelo, A. M. (2007). Environmental Effect Assessment of Magnacide H Herbicide at Rio Colorado Irrigation Channels (Argentina). Tier 4: In Situ Survey on Benthic Invertebrates. *Environ. Toxicol. Chem.* 26: 183-189.

EcoReference No.: 112787

Chemical of Concern: ACL; Habitat: A; Effect Codes: POP; Code: LITE EVAL CODED (ACL).

Aliano, N. P. (2008). An Investigation of Techniques for Using Oxalic Acid to Reduce Varroa Mite Populations in Honey Bee Colonies and Package Bees. *Ph.D.Thesis, The Univ.of Nebraska, Lincoln,NE* 154 p. (UMI# 3297901), (Publ in part as EcoRef # 151777,88041,151698).

EcoReference No.: 151725

Chemical of Concern: OXAC; Habitat: T; Effect Codes: MOR,POP; Code: LITE EVAL CODED (OXAC).

Aliano, N. P. and Ellis, M. D. (2008). Bee-to-Bee Contact Drives Oxalic Acid Distribution in Honey Bee Colonies. *Apidologie* 39: 481-487.

EcoReference No.: 151777

Chemical of Concern: OXAC; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (OXAC).

Aliano, N. P. and Ellis, M. D. (2009). Oxalic Acid: a Prospective Tool for Reducing Varroa Mite Populations in Package Bees. *Exp. Appl. Acarol.* 48: 303-309.

EcoReference No.: 151698

Chemical of Concern: OXAC; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (OXAC).

Aliano, N. P., Ellis, M. D., and Siegfried, B. D. (2006). Acute Contact Toxicity of Oxalic Acid to Varroa destructor (Acari: Varroidae) and Their Apis mellifera (Hymenoptera: Apidae) Hosts in Laboratory Bioassays. *J. Econ. Entomol.* 99: 1579-1582.

EcoReference No.: 88041

Chemical of Concern: OXAC; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (OXAC).

Alverson, J. and Cohen, A. C. (2002). Effect of Antifungal Agents on Biological Fitness of Lygus hesperus (Heteroptera: Miridae). *J. Econ. Entomol.* 95: 256-260.

EcoReference No.: 69702

Chemical of Concern: BZO,PPA; Habitat: T; Effect Codes: MOR,POP,REP; Code: LITE EVAL CODED (PPA), TARGET (BZO).

Anderson, B. G. (1944). The Toxicity Thresholds of Various Substances Found in Industrial Wastes as Determined by the Use of Daphnia magna. *Sewage Works J.* 16: 1156-1165.

EcoReference No.: 2171

Chemical of Concern:

ACAC,AN,AlCl,AlKS,AlS,As,AsO4Na,BZO,Ba,CIT,CaCl2,CoCl,CrO4,CuCl,CuS,ETHN,FeCl,FeCl3,Fe

RS,HCL,Halides,K2Cr2O7,KCl,KPM,LLA,MOL,NHCl,NHOH,NHSO4,NaCBN,NaCO,NaCl,NaNO3,NaOH,NaSO4,OXAC,PL,SAAAS,SUA,ZnS; Habitat: A; Effect Codes: PHY; Code: LITE EVAL CODED (ACAC,AN,AIKS,AIS,AsO4Na,BZO,CIT,CaCl2,CoCl,CrO4,ETHN,FeCl,FeCl3,FeRS,HCL,Halides,K2Cr2O7,KCl,KPM,MOL,NHCl,NHOH,NHSO4,NaCBN,NaCO,NaCl,NaNO3,NaOH,NaSO4,OXAC,PL,SAAAS,SUA,ZnS), NO CONTROL (CuS), NO EFED CHEM (AN,AIKS,AIS,AsO4Na), NO ENDPOINT (CuS), OK (AlCl,As,Ba,CuCl,LLA).

Andreozzi, R., Lo Casale, M. S., Marotta, R., Pinto, G., and Pollio, A. (2000). N-Methyl-P-Aminophenol (Metol) Ozonation in Aqueous Solution: Kinetics, Mechanism and Toxicological Characterization of Ozonized Samples. *Water Res.* 34: 4419-4429.

EcoReference No.: 86256

Chemical of Concern: FMA,HOX,Mn,OXAC; Habitat: A; Effect Codes: POP; Code: LITE EVAL CODED (FMA,HOX,OXAC), OK (Mn).

Atkins, E. L., MacDonald, R. L., McGovern, T. P., Beroza, M., and Greywood-Hale, E. A. (1975). Repellent Additives to Reduce Pesticide Hazards to Honeybees: Laboratory Testing. *J. Apic. Res.* 14: 85-97.

EcoReference No.: 98312

Chemical of Concern: BRSM,CRV,Captan,DEET,DTM,GER,MEG,NER,PPA,RSM,SLCG,TML; Habitat: T; Effect Codes: BEH; Code: LITE EVAL CODED (NER,PPA,TML), NO CONTROL (SLCG), OK (BRSM,CRV,Captan,DEET,DTM,GER,MEG,RSM).

Auerbach, S. S., Mahler, J., Travlos, G. S., and Irwin, R. D. (2008). A Comparative 90-Day Toxicity Study of Allyl Acetate, Allyl Alcohol and Acrolein. *Toxicology* 253: 79-88 (Publ. in part as ECOREF 151797).

EcoReference No.: 115934

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,CEL,GRO,MOR,PHY; Code: LITE EVAL CODED (ACL).

Bacandritsos, N., Papanastasiou, I., Saitanis, C., Nanetti, A., and Roinioti, E. (2007). Efficacy of Repeated Trickle Applications of Oxalic Acid in Syrup for Varroosis Control in Apis mellifera: Influence of Meteorological Conditions and Presence of Brood. *Vet. Parasitol.* 148: 174-178.

EcoReference No.: 151746

Chemical of Concern: CMPH,OXAC; Habitat: T; Effect Codes: MOR,POP; Code: LITE EVAL CODED (OXAC), NO MIXTURE (CMPH).

Bartley, T. R. and Hattrup, A. R. (1975). Acrolein Residues in Irrigation Water and Effects on Rainbow Trout. *Rep.No.REC-ERC-75-8, Bur.of Reclamation, Denver, CO* 11 p. (NTIS/PB-249933).

EcoReference No.: 7131

Chemical of Concern: ACL; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (ACL).

Basf Aktiengesellschaft (1992). Initial Submission: Report on the Study of the Toxicity of Acrylic Acid in Rats After 3-Month Administration by Gavage With Cover Letter Dated 081092. *EPA/OTS Doc. #88-920009570* 75 p. (OTS0571227).

EcoReference No.: 151659

Chemical of Concern: ACYA; Habitat: T; Effect Codes: BEH,CEL,GRO,MOR,PHY; Code: LITE EVAL CODED (ACYA).

Belcher, J. L. (2008). Acrolein (2-Propenal): A Potential Alternative to Methyl Bromide. *Ph.D.Thesis, Auburn Univ.* 74 p. (UMI #3333109).

EcoReference No.: 151624

Chemical of Concern: ACL,MTAS; Habitat: T; Effect Codes: GRO,MOR,POP,REP; Code: LITE EVAL CODED (ACL,MTAS).

Bentivegna, D. J., Fernandez, O. A., and Burgos, M. A. (2004). Acrolein Reduces Biomass and Seed Production of *Potamogeton pectinatus* in Irrigation Channels. *Weed Technol.* 18: 605-610.

EcoReference No.: 108136

Chemical of Concern: ACL; Habitat: A; Effect Codes: GRO,POP; Code: LITE EVAL CODED (ACL).

Bidochka, M. J. and Khachatourians, G. G. (1991). The Implication of Metabolic Acids Produced by *Beauveria bassiana* in Pathogenesis of the Migratory Grasshopper, *Melanoplus sanguinipes*. *J. Invertebr. Pathol.* 58: 106-117.

EcoReference No.: 101548

Chemical of Concern: ACAC,BRA3,CIT,FMA,HCL,OXAC,SUA; Habitat: T; Effect Codes: MOR,REP; Code: LITE EVAL CODED (CIT,HCL,OXAC), NO ENDPOINT (HCL), NO IN VITRO (ACAC,BRA3,FMA,SUA), TARGET (HCL).

Birge, W. J., Black, J. A., Ballard, S. T., and McDonnell, W. E. (1982). Acute Toxicity Testing with Freshwater Fish. In: J.D.Horne, M.A.Sirsky, T.A.Hollister, B.R.Oblad, and J.H.Kennedy (Eds.), *Aquatic Toxicity Studies of Five Priority Pollutants, Rep.No.4398, NUS Corp, Houston, TX* 47 p.

EcoReference No.: 45758

Chemical of Concern: 13DPE,ACL,CF,DPDP,FA,PAH,PHTH,TOL; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (13DPE,ACL,CF,DPDP,FA,PHTH,TOL), OK (PAH).

Bolon, B., Bucci, T. J., Warbritton, A. R., Chen, J. J., Mattison, D. R., and Heindel, J. J. (1997). Differential Follicle Counts as a Screen for Chemically Induced Ovarian Toxicity in Mice: Results from Continuous Breeding Bioassays. *Fundam. Appl. Toxicol.* 39: 1-10.

EcoReference No.: 151647

Chemical of Concern: 3CE,BPA,EGME,EGY,ETHN,OXAC,PHTH,PPGL; Habitat: T; Effect Codes: REP; Code: LITE EVAL CODED (3CE,BPA,EGME,EGY,OXAC,PHTH,PPGL), NO DURATION (ETHN), NO EFED CHEM (3CE).

Borriston Labs (2003). 14-Day Subchronic Toxicity Study in Rats with 2-Butenal. *EPA/OTS Doc. #878221649* 25 p. (OTS0510394).

EcoReference No.: 151637

Chemical of Concern: MACL; Habitat: T; Effect Codes: BEH,CEL,GRO,MOR,PHY; Code: LITE EVAL CODED (MACL).

Bridie, A. L., Wolff, C. J. M., and Winter, M. (1979). The Acute Toxicity of Some Petrochemicals to Goldfish. *Water Res.* 13: 623-626 (OECDG Data File).

EcoReference No.: 623

Chemical of Concern: 13DPA,24DXY,2BE,35XYL,ACD,ACHY,ACL,AMSV,BNZ,BUT,DD,DEAC,DEG,DGME,DPDP,DPLE,EGME,EGY,ETO,HXGL,IPA,ISO,PEG,PL,PPGL,PPO,TEAM,TEG,TOL,nBUT; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (13DPA,2BE,35XYL,ACD,ACHY,ACL,AMSV,BNZ,BUT,DEG,DGME,DPDP,DPLE,EGME,EGY,ETO,HXGL,IPA,PEG,PL,PPGL,PPO,TEAM,TEG,TOL,nBUT), NO EFED CHEM (2BE,ACD,ACHY), OK (24DXY,DD,DEAC,ISO).

Bruins, B. G., Scharloo, W., and Thorig, G. E. W. (1997). Light-Induced Vitamin Deficiency in *Drosophila melanogaster*. *Arch. Insect Biochem. Physiol.* 36: 51-67.

EcoReference No.: 101583

Chemical of Concern: ACAC,HOX,PPA; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (ACAC,PPA), NO MIXTURE (HOX).

Bueld, J. E., Bannenberg, G., and Netter, K. J. (1996). Effects of Propionic Acid and Pravastatin on HMG-CoA Reductase Activity in Relation to Forestomach Lesions in the Rat. *Pharmacol. Toxicol.* 78: 229-234.

EcoReference No.: 101606

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,BEH,GRO,PHY; Code: LITE EVAL CODED (PPA).

Burkholder, W. E., Schwalbe, C. P., and Boush, G. M. (1973). Antimicrobial Food Additives and Their Effects on *Trogoderma variabile* and *Attagenus megatoma* (Coleoptera, Dermestidae). *J. Stored Prod. Res.* 9 : 205-211.

EcoReference No.: 101335

Chemical of Concern: CIT,PPA; Habitat: T; Effect Codes: MOR,REP; Code: LITE EVAL CODED (CIT,PPA).

Buzzell, J. C. Jr., Young, R. H. F., and Ryckman, D. W. (1968). Behavior of Organic Chemicals in the Aquatic Environment. Part II. - Behavior in Dilute Systems. *Environ.Sanitary Engineering Labs., Washington University, St.Louis, MO* 81 p.

EcoReference No.: 2458

Chemical of Concern: ACY,AN,BZO,DEG,EGY,ETHN,IPA,MCRE,MOL,OCRE,OXAC,TOL; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (ACY,AN,BZO,DEG,EGY,ETHN,IPA,MCRE,MOL,OCRE,OXAC,TOL), NO EFED CHEM (ACY,AN).

Carnegie-Mellon Institute of Research (1989). Letter from Carnegie-Mellon Inst of Research Concerning Results of the 2-Week Preliminary Skin Dosing of Acrylic Acid & Ethyl Acrylate with Attached, Cover Sheets (Sanitized). *EPA/OTS Doc. #86-890001491S* 18 p. (OTS0521102).

EcoReference No.: 152050

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: CEL,GRO,MOR; Code: LITE EVAL CODED (ACYA,EAC).

Chen, X. T., Lin, J., Shao, X. F., Ou, X. M., Wang, Z. H., and Lu, G. D. (2009). The Physiological and Molecular Responses of *Arabidopsis thaliana* to the Stress of Oxalic Acid. *Agric. Sci. China* 8: 828-834.

EcoReference No.: 151719

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM,CEL; Code: LITE EVAL CODED (OXAC).

Conklin, D. J., Barski, O. A., Lesgards, J. F., Juvan, P., Rezen, T., Rozman, D., Prough, R. A., Vladykovskaya, E., Liu, S., Srivastava, S., and Bhatnagar, A. (2010). Acrolein Consumption Induces Systemic Dyslipidemia and Lipoprotein Modification. *Toxicol. Appl. Pharmacol.* 243: 1-12.

EcoReference No.: 151515

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,CEL,MOR; Code: LITE EVAL CODED (ACL).

Dawson, D. A. (1991). Additive Incidence of Developmental Malformation for *Xenopus* Embryos Exposed to a Mixture of Ten Aliphatic Carboxylic Acids. *Teratology* 44: 531-546 .

EcoReference No.: 101603

- Chemical of Concern: CRA,FAME,PPA,SRT; Habitat: A; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (CRA,PPA,SRT), OK (FAME).
- Dawson, D. A., Schultz, T. W., and Hunter, R. S. (1996). Developmental Toxicity of Carboxylic Acids to Xenopus Embryos: A Quantitative Structure-Activity Relationship and Computer-Automated Structure. *Teratog. Carcinog. Mutagen.* 16: 109-124 (Author Communication Used).
- EcoReference No.: 17379
Chemical of Concern: ACAC,ACYA,BZO,CAC,CRA,DDA,FMA,NONA,PPA,SRT; Habitat: A; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (ACAC,ACYA,BZO,CAC,CRA,DDA,FMA,NONA,PPA,SRT).
- Debethizy, J. D., Udinsky, J. R., Scribner, H. E., and Frederick, C. B. (1987). The Disposition and Metabolism of Acrylic Acid and Ethyl Acrylate in Male Sprague-Dawley Rats. *Fundam. Appl. Toxicol.* 8: 549-561.
- EcoReference No.: 151701
Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: ACC,BCM,GRO; Code: LITE EVAL CODED (ACYA,EAC).
- DePass, L. R., Fowler, E. H., Meckley, D. R., and Weil, C. S. (1984). Dermal Oncogenicity Bioassays of Acrylic Acid, Ethyl Acrylate, and Butyl Acrylate. *J. Toxicol. Environ. Health* 14: 115-120.
- EcoReference No.: 91232
Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: CEL,MOR,PHY; Code: LITE EVAL CODED (ACYA,EAC).
- DePass, L. R., Woodside, M. D., Garman, R. H., and Weil, C. S. (1983). Subchronic and Reproductive Toxicology Studies on Acrylic Acid in the Drinking Water of the Rat. *Drug Chem. Toxicol. (N.Y.)* 6: 1-20.
- EcoReference No.: 151682
Chemical of Concern: ACYA; Habitat: T; Effect Codes: BCM,BEH,GRO,MOR,REP; Code: LITE EVAL CODED (ACYA).
- Djian, C., Ponchet, M., and Cayrol, J. C. (1994). Nematocidal Properties of Carboxylic Acids and Derivatives. *Pestic. Biochem. Physiol.* 50: 229-239.
- EcoReference No.: 96598
Chemical of Concern: ACAC,ADC,BZO,DBE,EP,FMA,GLYA,OXAC,PPA,SCA; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (ACAC,ADC,BZO,DBE,EP,FMA,GLYA,OXAC,PPA,SCA).
- Domingo, J. L., Gomez, M., Sanchez, D. J., Llobet, J. M., and Corbella, J. (1993). Effect of Various Dietary Constituents on Gastrointestinal Absorption of Aluminum from Drinking Water and Diet. *Res. Commun. Chem. Pathol. Pharmacol.* 79: 377-380 .
- EcoReference No.: 151648
Chemical of Concern: CIT,LLA,OXAC; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (CIT,LLA,OXAC).
- Duncan, A. J., Frutos, P., and Young, S. A. (2000). The Effect of Rumen Adaptation to Oxalic Acid on Selection of Oxalic-Acid-Rich Plants by Goats. *Br. J. Nutr.* 83: 59-65.
- EcoReference No.: 151673
Chemical of Concern: OXAC; Habitat: T; Effect Codes: BEH; Code: LITE EVAL CODED (OXAC).
- Duncan, A. J., Frutos, P., and Young, S. A. (1997). Rates of Oxalic Acid Degradation in the Rumen of Sheep and Goats in Response to Different Levels of Oxalic Acid Administration. *Anim. Sci. (Pencaitland)* 65: 451-

455.

EcoReference No.: 151748

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (OXAC).

Duquene, L., Vandenhove, H., Tack, F., Meers, E., Baeten, J., and Wannijn, J. (2009). Enhanced Phytoextraction of Uranium and Selected Heavy Metals by Indian Mustard and Ryegrass Using Biodegradable Soil Amendments. *Sci. Total Environ.* 407: 1496-1505.

EcoReference No.: 151706

Chemical of Concern: CIT,OXAC; Habitat: T; Effect Codes: BCM,GRO,PHY; Code: LITE EVAL CODED (CIT,OXAC).

Eastman Kodak Co. (1990). Letter Submitting Three Acute Aquatic Studies and One Ready Biodegradability Study as Required by the Testing Consent Order. *EPA/OTS Doc. #40-9012050* 392 p. (OTS0530892).

EcoReference No.: 151657

Chemical of Concern: MACL; Habitat: A; Effect Codes: MOR,PHY,POP; Code: LITE EVAL CODED (MACL).

Ebihara, K., Miyada, T., and Nakajima, A. (1993). Comparison of Propionic Acid and Sodium Propionate Infused to the Cecum and Stomach on Hypocholesterolemic Effect in Rat Fed a Cholesterol-Free, Casein Protein Diet. *Nutr. Res.* 13: 1305-1311.

EcoReference No.: 101590

Chemical of Concern: NaPP,PPA; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (NaPP,PPA).

Eischen, F. A., Pettis, J. S., and Dietz, A. (1987). A Rapid Method of Evaluating Compounds for the Control of *Acarapis woodi* (Rennie). *Am. Bee J.* 127: 99-101.

EcoReference No.: 101591

Chemical of Concern: AMZ,PPA; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (AMZ,PPA).

EPA/OTS (1990). Support Document: Chronic Dermal Oncogenicity Study with Acrylic Acid in [C3h/Hsd Br] and [Hsd: (Icr) Br] Mice with Letter 010491 ((Binder I-Vi) (Project Report) (Sanitized). *EPA/OTS Doc. #89-910000139s* 1460 p. (OTS05105413).

EcoReference No.: 152047

Chemical of Concern: ACYA,BAP; Habitat: T; Effect Codes: CEL,GRO,MOR,PHY; Code: LITE EVAL CODED (ACYA,BAP), NO EFED CHEM (BAP).

Ferguson, F. F., Richards, C. S., and Palmer, J. R. (1961). Control of *Australorbis glabratus* by Acrolein in Puerto Rico. *Public Health Rep* 76: 461-468.

EcoReference No.: 20595

Chemical of Concern: ACL; Habitat: A; Effect Codes: BEH,MOR,PHY,POP; Code: LITE EVAL CODED (ACL).

Fort, D. J., Stover, E. L., Rayburn, J. R., Hull, M., and Bantle, J. A. (1993). Evaluation of the Developmental Toxicity of Trichloroethylene and Detoxification Metabolites Using *Xenopus*. *Teratog. Carcinog. Mutagen.* 13(1): 35-45.

EcoReference No.: 14733

Chemical of Concern: 3CE,OXAC; Habitat: A; Effect Codes: GRO,MOR; Code: LITE EVAL CODED

(3CE,OXAC), NO EFED CHEM (3CE).

Germinara, G. S., Rotundo, G., and De Cristofaro, A. (2007). Repellence and Fumigant Toxicity of Propionic Acid Against Adults of *Sitophilus granarius* (L.) and *S. oryzae* (L.). *J. Stored Prod. Res.* 43: 229-233.

EcoReference No.: 101592

Chemical of Concern: PPA; Habitat: T; Effect Codes: BEH,MOR; Code: LITE EVAL CODED (PPA).

Goldman, M. and Doering, G. J. (1979). The Effect of Dietary Ingestion of Oxalic Acid on Thyroid Function in Male and Female Long-Evans Rats. *Toxicol. Appl. Pharmacol.* 48: 409-414.

EcoReference No.: 151591

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM,BEH,GRO,PHY; Code: LITE EVAL CODED (OXAC).

Gregorc, A. and Planinc, I. (2002). The Control of *Varroa destructor* Using Oxalic Acid. *Vet. J.* 163: 306-310.

EcoReference No.: 151669

Chemical of Concern: CMPH,OXAC; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (OXAC), NO MIXTURE (CMPH).

Gregorc, A. and Poklukar, J. (2003). Rotenone and Oxalic Acid as Alternative Acaricidal Treatments for *Varroa destructor* in Honeybee Colonies. *Vet. Parasitol.* 111: 351-360.

EcoReference No.: 76055

Chemical of Concern: CMPH,OXAC,RTN; Habitat: T; Effect Codes: MOR,POP; Code: LITE EVAL CODED (OXAC,RTN), NO MIXTURE (CMPH).

Gulati, D. K., Barnes, L. H., and Russell, W. S. (1985). Oxalic Acid: Reproduction and Fertility Assessment in CD-1 Mice when Administered in Drinking Water (Revised September 1985). *Final Rept. 8 May 84-15 Jan 85.*, *Environmental Health Research and Testing, Inc., Lexington, KY* 366 p. (NTIS PB86167053).

EcoReference No.: 152073

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,MOR,POP,REP; Code: LITE EVAL CODED (OXAC).

Guo, X. and Stotz, H. U. (2010). ABA Signaling Inhibits Oxalate-Induced Production of Reactive Oxygen Species and Protects Against *Sclerotinia sclerotiorum* in *Arabidopsis thaliana*. *Eur. J. Plant Pathol.* 128: 7-19.

EcoReference No.: 151592

Chemical of Concern: ASA,OXAC; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (OXAC), NO IN VITRO (ASA).

Harrison, P. T. C., Grasso, P., and Badescu, V. (1991). Early Changes in the Forestomach of Rats, Mice and Hamsters Exposed to Dietary Propionic and Butyric Acid. *Food Chem. Toxicol.* 29: 367-371.

EcoReference No.: 101593

Chemical of Concern: PPA; Habitat: T; Effect Codes: CEL; Code: LITE EVAL CODED (PPA).

Hellwig, J., Deckardt, K., and Freisberg, K. O. (1993). Subchronic and Chronic Studies of the Effects of Oral Administration of Acrylic Acid to Rats. *Food Chem. Toxicol.* 31: 1-18.

EcoReference No.: 151679

Chemical of Concern: ACYA; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,MOR; Code: LITE EVAL CODED (ACYA).

Hellwig, J., Gembardt, C., and Murphy, S. R. (1997). Acrylic Acid: Two-Generation Reproduction Toxicity Study in Wistar Rats with Continuous Administration in the Drinking Water. *Food Chem. Toxicol.* 35: 859-868.

EcoReference No.: 86969

Chemical of Concern: ACYA; Habitat: T; Effect Codes: BEH,CEL,GRO,MOR,POP,REP; Code: LITE EVAL CODED (ACYA).

Higes, M., Meana, A., Suarez, M., and Llorente, J. (1999). Negative Long-Term Effects on Bee Colonies Treated with Oxalic Acid Against *Varroa jacobsoni* Oud. *Apidologie* 30: 289-292.

EcoReference No.: 151761

Chemical of Concern: CMPH,OXAC,TAUF; Habitat: T; Effect Codes: MOR,POP,REP; Code: LITE EVAL CODED (OXAC), NO MIXTURE (CMPH,TAUF).

Hudson, R. H., Tucker, R. K., and Haegele, M. A. (1984). Handbook of Toxicity of Pesticides to Wildlife. *Resource Publication 153, Fish and Wildlife Service, U.S. Department of the Interior* 90 p. Second Edition//.

EcoReference No.: 50386

Chemical of Concern:

24D,24DXY,4AP,ACL,ACP,ACR,ADC,AMTL,AND,ANZ,ATN,ATZ,AZ,AsO3Na,BFL,BTY,CBF,CBL,CCA,CHD,CMPH,CPP,CPY,CPYM,CQTC,CZE,Captan,DBN,DCF,DCNA,DCTP,DDT,DDVP,DEM,DFZ,DLD,DMT,DQTBr,DS,DU,DXN,DZ,EDT,EN,EP,EPRN,ES,ETN,FBOX,FMP,FMU,FNF,FNT,FNTH,Folpet,HCCH,HPT,MCB,MDT,MLN,MOM,MP,MRX,MTM,MTPN,MVP,MXC,NaFA,Nabam,Naled,OXD,PCB,PCL,PCP,PIRM,PNB,PPCP,PPHD,PPX,PQT,PRN,PRT,PSM,PYN,RSM,RTN,STAR,STCH,T1,TBF,TBZ,TCDD,TCF,TFN,THM,TMP,TVPM,TXP,TZL,Zineb,ZnP; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (24D,24DXY,4AP,ACL,ACP,ACR,ADC,AMTL,AND,ANZ,ATN,ATZ,AZ,AsO3Na,BFL,BTY,CBF,CBL,CCA,CHD,CMPH,CPP,CPY,CPYM,CQTC,CZE,Captan,DBN,DCF,DCNA,DCTP,DDT,DDVP,DEM,DFZ,DLD,DMT,DQTBr,DS,DU,DXN,DZ,EDT,EN,EP,EPRN,ES,ETN,FBOX,FMP,FMU,FNF,FNT,FNTH,Folpet,HCCH,HPT,MCB,MDT,MLN,MOM,MP,MRX,MTM,MTPN,MVP,MXC,NaFA,Nabam,Naled,OXD,PCB,PCL,PCP,PIRM,PNB,PPCP,PPHD,PPX,PQT,PRN,PRT,PSM,PYN,RSM,RTN,STAR,STCH,T1,TBF,TBZ,TCDD,TCF,TFN,THM,TMP,TVPM,TXP,TZL,Zineb,ZnP), NO EFED CHEM (ANZ,AsO3Na,DBN,PCB).

Hwang, Y. S., Kramer, W. L., and Mulla, M. S. (1980). Oviposition Attractants and Repellents of Mosquitoes. Isolation and Identification of Oviposition Repellents for *Culex* Mosquitoes. *J. Chem. Ecol.* 6: 71-80.

EcoReference No.: 101594

Chemical of Concern: ACAC,PPA; Habitat: AT; Effect Codes: MOR,REP; Code: LITE EVAL CODED (ACAC,PPA).

Inaba, S. and Takenaka, C. (2005). Effects of Dissolved Organic Matter on Toxicity and Bioavailability of Copper for Lettuce Sprouts. *Environ. Int.* 31: 603-608 .

EcoReference No.: 108701

Chemical of Concern: CIT,CuS,EDTA,OXAC; Habitat: T; Effect Codes: ACC,BCM,GRO; Code: LITE EVAL CODED (CIT,OXAC), NO ENDPOINT (CuS,EDTA).

Indus Acrylate Testing Group (1982). Acrylate Toxicity Data with Cover Letter & EPA Acknowledgement of Receipt of Data. *EPA/OTS Doc. #FYI-AX-1082-0212* 22 p. (OTS00002120).

EcoReference No.: 151632

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,MOR,PHY,REP; Code: LITE EVAL CODED (ACYA,EAC), NO ENDPOINT (EAC).

Irwin, R. D. (2006). NTP Technical Report on the Comparative Toxicity Studies of Allyl Acetate, Allyl Alcohol,

and Acrolein (CAS Nos. 591-87-7, 107-18-6, and 107-02-8) Administered by Gavage to F344/N Rats and B6C3F1 Mice. *NTP Toxicity report series* TOX 48: 178 p. (PUBL IN PART AS 115934,105959).

EcoReference No.: 151797

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,CEL,GRO,MOR,PHY,REP; Code: LITE EVAL CODED (ACL).

Kane, M. T. (1979). Fatty Acids as Energy Sources for Culture of One-Cell Rabbit Ova to Viable Morulae. *Biol. Reprod.* 20: 323-332.

EcoReference No.: 101665

Chemical of Concern: ACAC,OLEA,PPA; Habitat: T; Effect Codes: GRO; Code: LITE EVAL CODED (ACAC,OLEA,PPA).

Kimball, B. A. and Billings, V. (2007). Do Herbivores Associate Flavours with Specific Consequences in Flavour Aversion Learning? *Appl. Anim. Behav. Sci.* 107: 252-261.

EcoReference No.: 151676

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BEH; Code: LITE EVAL CODED (OXAC).

Kramer, V. C., Schnell, D. J., and Nickerson, K. W. (1983). Relative Toxicity of Organic Solvents to *Aedes aegypti* Larvae. *J. Invertebr. Pathol.* 42: 285-287.

EcoReference No.: 101658

Chemical of Concern:

ACAC,AN,EGY,ETHN,FMA,FML,IPA,MOL,MOR,NaLS,PL,PPA,Urea,VYL,nBUT; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (ACAC,AN,EGY,ETHN,FMA,FML,IPA,MOL,MOR,NaLS,PL,PPA,Urea,VYL,nBUT), NO EFED CHEM (AN).

Krokene, P., Nagy, N. E., and Solheim, H. (2008). Methyl Jasmonate and Oxalic Acid Treatment of Norway Spruce: Anatomically Based Defense Responses and Increased Resistance Against Fungal Infection. *Tree Physiol.* 28: 29-35.

EcoReference No.: 151622

Chemical of Concern: OXAC; Habitat: T; Effect Codes: CEL,GRO,POP; Code: LITE EVAL CODED (OXAC).

LeBlanc, G. A. (1980). Acute Toxicity of Priority Pollutants to Water Flea (*Daphnia magna*). *Bull. Environ. Contam. Toxicol.* 24 : 684-691 (OECDG Data File).

EcoReference No.: 5184

Chemical of Concern:

12DPA,13DPA,13DPE,24DC,24DP,2CP,3CE,4CE,4NP,ACE,ACL,ACY,AMSV,Ag,AgN,BNZ,BPH,Ba,Br2,CBZ,CF,CHN,CPH,CTC,DCB,DCE,DPDP,ETHB,FA,ISO,NAPH,NBZ,NP,NPH,PCP,PHTH,PL,SFL,Se,TOL; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (12DPA,13DPA,13DPE,24DC,24DP,2CP,3CE,4CE,4NP,ACE,ACL,ACY,AMSV,Ag,AgN,BNZ,BPH,Br2,CF,CTC,DCB,DPDP,ETHB,FA,ISO,NAPH,NBZ,NPH,PCP,PHTH,PL,SFL,TOL), NO EFED CHEM (24DC,2CP,3CE,4CE,4NP,ACY), OK (Ba,CBZ,CHN,CPH,DCE,NP,Se).

Louder, D. E. and McCoy, E. G. (1962). Preliminary Investigations of the Use of Aqualin for Collecting Fishes. *Proc. Southeast. Assoc. Game Fish Comm.* 16: 240-242 .

EcoReference No.: 2092

Chemical of Concern: ACL,RTN; Habitat: A; Effect Codes: BEH,MOR; Code: LITE EVAL CODED (ACL), NO CONTROL (RTN), NO ENDPOINT (RTN).

Lynch, J. M. (1980). Effects of Organic Acids on the Germination of Seeds and Growth of Seedlings. *Plant Cell Environ.* 3: 255-259.

EcoReference No.: 101602

Chemical of Concern: ACAC,BZO,CIT,FMA,LLA,PPA,SCA,CaCO₃; Habitat: T; Effect Codes: GRO,REP; Code: LITE EVAL CODED (PPA,ACAC,BZO,CIT,FMA,LLA,SCA), NO CONC (CaCO₃), TARGET (BZO,FMA,SCA)

Ma, T. H., Harris, M. M., Anderson, V. A., Ahmed, I., Mohammad, K., Bare, J. L., and Lin, G. (1984). Tradescantia-Micronucleus (Trad-MCN) Tests on 140 Health-Related Agents. *Mutat. Res.* 138: 157-167.

EcoReference No.: 101595

Chemical of Concern:

24D,24DXY,ATZ,BAP,CBL,CZE,CaCl₂,CaPR,CdS,CrAC,CrO₄,DCB,DDVP,DMB,DMT,DNT,EDB,ETHN,FML,Halides,HgCl₂,K₂CrO₄,MLH,MLN,MTL,MnCl,Na₃C,NaBS,NaN₃,NaNO₃,PCL,PPA,PRT,PbA C,PbN,SAC,SO₂,SZ,ZnCl₂; Habitat: T; Effect Codes: CEL; Code: LITE EVAL CODED (ATZ,CaPR,CrO₄,DDVP,DMT,ETHN,MLN,Na₃C,NaBS,NaNO₃,PPA,SO₂), OK (BAP,CZE,CdS,DCB,DNT,EDB,FML,HgCl₂,K₂CrO₄,MnCl,PCL,PRT,PbAC,PbN,SAC), TARGET (24D,24DXY,CBL,CaCl₂,DMB,Halides,MLH,MTL,NaN₃,SZ,ZnCl₂).

Makia, N. L., Bojang, P., Falkner, K. C., Conklin, D. J., and Prough, R. A. (2011). Murine Hepatic Aldehyde Dehydrogenase 1a1 is a Major Contributor to Oxidation of Aldehydes Formed by Lipid Peroxidation. *Chem.-Biol. Interact.* IN PRESS: 10 p.

EcoReference No.: 151696

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,CEL; Code: LITE EVAL CODED (ACL).

Malencic, D. J., Vasic, D., Popovic, M., and Devic, D. (2004). Antioxidant Systems in Sunflower as Affected by Oxalic Acid. *Biol. Plant. (Praha)* 48: 243-247.

EcoReference No.: 151678

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (OXAC).

Manoukas, A. G. and Mazomenos, B. (1977). Effect of Antimicrobials upon Eggs and Larvae of *Dacus oleae* (Diptera: Tephritidae) and the Use of Propionates for Larval Diet Preservation. *Ann. Zool. Ecol. Anim.* 9: 277-285.

EcoReference No.: 101596

Chemical of Concern: KSB,NaPP,PPA; Habitat: T; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (NaPP,PPA), OK (KSB).

Mccarthy, K. L., Thomas, W. C., Aardema, M. J., Seymour, J. L., Putman, D. L., Yang, L. L., Curren, R. D., and Valencia, R. (1992). Genetic Toxicology of Acrylic Acid. *Food Chem. Toxicol.* 30: 505-515.

EcoReference No.: 151697

Chemical of Concern: ACYA,BAP,DMBA; Habitat: T; Effect Codes: CEL,GRO,MOR,REP; Code: LITE EVAL CODED (ACYA), NO EFED CHEM (BAP), NO ENDPOINT (DMBA), NO IN VITRO (BAP,DMBA).

McLaughlin, J. E. (1994). Relationship of Propionic Acid-Induced Cell Proliferation and Inflammation in Rat Forestomach. *Ph.D.Thesis, Temple Univ., Philadelphia, PA* 155 p.

EcoReference No.: 103756

Chemical of Concern: CaPR,NaPP,PPA; Habitat: T; Effect Codes: BEH,CEL,GRO; Code: LITE EVAL CODED (CaPR,NaPP,PPA).

Mclaughlin, J. E., Parno, J., Garner, F. M., Clary, J. J., Thomas, W. C., and Murphy, S. R. (1995). Comparison of the Maximum Tolerated Dose (MTD) Dermal Response in Three Strains of Mice Following Repeated Exposure to Acrylic Acid. *Food Chem. Toxicol.* 33: 507-513.

EcoReference No.: 151653

Chemical of Concern: ACYA; Habitat: T; Effect Codes: CEL,GRO; Code: LITE EVAL CODED (ACYA).

Milani, N. (2001). Activity of Oxalic and Citric Acids on the Mite Varroa destructor in Laboratory Assays. *Apidologie* 32: 127-138.

EcoReference No.: 66726

Chemical of Concern: CIT,OXAC; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (CIT,OXAC).

Nendza, M. and Wenzel, A. (2006). Discriminating Toxicant Classes by Mode of Action 1. (Eco)toxicity Profiles. *Environ. Sci. Pollut. Res. Int.* 1-12.

EcoReference No.: 119380

Chemical of Concern:

23DPE,24DC,24DP,2CP,4NP,ACL,ADC,ATZ,BAP,BMC,BPA,C8OH,CBF,CBL,DCA,DCB,DDP,DPDP,DU,EAC,FML,Folpet,HCB,HCCH,HXZ,MBZ,MCB,MLN,MOM,MP,NP,NPH,NSM,OML,OXF,PCP,PH TH,PL,PPCP,PPX,RTN,TBO; Habitat: AT; Effect Codes: POP; Code: LITE EVAL CODED (23DPE,24DC,24DP,2CP,4NP,ACL,ADC,ATZ,BAP,BMC,BPA,C8OH,CBF,CBL,DCA,DCB,DDP,DPDP,DU,EAC,FML,Folpet,HCB,HCCH,HXZ,MBZ,MCB,MLN,MOM,MP,NP,NPH,NSM,OML,OXF,PCP,PH TH,PL,PPCP,PPX,RTN,TBO), NO EFED CHEM (24DC,2CP,4NP,PPCP).

Parent, R. A., Caravello, H. E., Christian, M. S., and Hoberman, A. M. (1993). Developmental Toxicity of Acrolein in New Zealand White Rabbits. *Fundam. Appl. Toxicol.* 20: 248-256.

EcoReference No.: 79080

Chemical of Concern: ACL; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (ACL).

Pelacho, A. M., Martin-Closas, L., and Sanfeliu, J. L. I. (1999). In Vitro Induction of Potato Tuberization by Organic Acids. *Potato Res.* 42: 585-591.

EcoReference No.: 101664

Chemical of Concern: ACAC,PPA,SCA; Habitat: T; Effect Codes: GRO; Code: LITE EVAL CODED (PPA), OK (ACAC,SCA).

Pourmirza, A. A. (2006). Effect of Acrolein Vapors on Stored-Product Insects and Wheat Seed Viability. *J. Econ. Entomol.* 99: 1920-1924.

EcoReference No.: 151596

Chemical of Concern: ACL; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (ACL).

Pourmirza, A. A. (2007). Fumigant Action of Acrolein on Insects and Seed Viability. *Pak. J. Biol. Sci.* 10: 2213-2218.

EcoReference No.: 151598

Chemical of Concern: ACL; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (ACL).

Pourmirza, A. A. (2007). Ovicidal Activity of Acrolein Vapors to Indian Meal Moth Eggs of Various Ages. *Pak. J.*

Biol. Sci. 10: 2945-2949.

EcoReference No.: 151677

Chemical of Concern: ACL; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (ACL).

Pourmirza, A. A. and Tajbakhsh, M. (2008). Studies on the Toxicity of Acetone, Acrolein and Carbon Dioxide on Stored-Product Insects and Wheat Seed. *Pak. J. Biol. Sci.* 11: 953-963.

EcoReference No.: 151599

Chemical of Concern: ACL,CBND0; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (ACL), NO TOXICANT (CBND0).

Radix, P., Leonard, M., Papantoniou, C., Roman, G., Saouter, E., Gallotti-Schmitt, S., Thiebaud, H., and Vasseur, P. (1999). Comparison of *Brachionus calyciflorus* 2-D and Microtox Chronic 22-H Tests with *Daphnia magna* 21-D Test for the Chronic Toxicity Assessment of Chemicals. *Environ. Toxicol. Chem.* 18: 2178-2185.

EcoReference No.: 20489

Chemical of Concern: ACYA,CPH,Cd,CdN,CuS,DCB,DDT,Halides,NaBr,NaLS,PCP,PL; Habitat: A; Effect Codes: REP; Code: LITE EVAL CODED (ACYA,CdN,CuS,DCB,DDT,Halides,NaBr,NaLS,PCP,PL), OK (CPH,Cd).

Rao, D. N. and Mikkelsen, D. S. (1977). Effect of Acetic, Propionic and Butyric Acids on Young Rice Seedlings' Growth. *Agron. J.* 69: 923-928.

EcoReference No.: 42791

Chemical of Concern: ACAC,PPA; Habitat: T; Effect Codes: GRO; Code: LITE EVAL CODED (ACAC,PPA).

Rodrigues, C., Lok, E., Nera, E., Iverson, F., Page, D., Karpinski, K., and Clayson, D. B. (1986). Short-Term Effects of Various Phenols and Acids on the Fischer 344 Male Rat Forestomach Epithelium. *Toxicology* 38: 103-117.

EcoReference No.: 101597

Chemical of Concern: PPA; Habitat: T; Effect Codes: BEH,CEL,GRO; Code: LITE EVAL CODED (PPA).

Rodriguez, J. G. (1972). Inhibition of Acarid Mite Development by Fatty Acids. *Insect Mite Nutr.: Significance Implic.Ecol.Pest Manage., Top.Pap.Int.Conf.* 637-650.

EcoReference No.: 119505

Chemical of Concern: CAC,CRA,DDA,FAME,NONA,OLEA,PPA; Habitat: T; Effect Codes: GRO,MOR,POP,REP; Code: LITE EVAL CODED (CAC,CRA,FAME,PPA), NO ENDPOINT (DDA,NONA,OLEA).

Rogers, K. R., Harper, S. L., and Robertson, G. (2005). Screening for Toxic Industrial Chemicals Using Semipermeable Membrane Devices with Rapid Toxicity Assays. *Anal. Chim. Acta* 543: 229-235.

EcoReference No.: 113845

Chemical of Concern: ACL,EDB; Habitat: A; Effect Codes: BCM; Code: LITE EVAL CODED (ACL,EDB).

Rohm and Haas Co. (1986). Letter from Rohm Haas Co to USEPA Regarding Cytogeneticity Studies of Acrylic Acid in Chinese Hamster Ovary and Rat Bone Marrow In Vitro. *EPA/OTS Doc. #FYI-OTS-0787-0367* 26 p. (OTS00003674).

EcoReference No.: 151778

- Chemical of Concern: ACYA; Habitat: T; Effect Codes: CEL,GRO,MOR; Code: LITE EVAL CODED (ACYA).
- Rohm and Haas Co. (1986). Mutagenicity Evaluation of Ethylene Glycol Dimethacrylate and bis-Glycidyl Metacrylate in the Mouse Lymphoma Forward Mutation Assay (Final Reports) with Cover Letter 031286. *EPA/OTS Doc. #FYI-OTS-0386-0367* 105 p. (NTIS/OTS00003672) (Publ in Part as Ecoref 91232).
- EcoReference No.: 151717
Chemical of Concern: ACYA; Habitat: T; Effect Codes: MOR,PHY; Code: LITE EVAL CODED (ACYA).
- Sammataro, D., Finley, J., and Underwood, R. (2008). Comparing Oxalic Acid and Sucroside Treatments for Varroa destructor (Acari: Varroidae) Control Under Desert Conditions. *J. Econ. Entomol.* 101: 1057-1061.
- EcoReference No.: 151691
Chemical of Concern: OXAC; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (OXAC).
- Sarma, B. K., Ameer Basha, S., Singh, D. P., and Singh, U. P. (2007). Use of Non-Conventional Chemicals as an Alternative Approach to Protect Chickpea (*Cicer arietinum*) from Sclerotinia Stem Rot. *Crop Prot.* 26: 1042-1048.
- EcoReference No.: 104458
Chemical of Concern: OXAC,ZnS; Habitat: T; Effect Codes: BCM,POP; Code: LITE EVAL CODED (OXAC,ZnS).
- Schmidt, K. A., Brown, J. S., and Morgan, R. A. (1998). Plant Defenses as Complementary Resources: a Test with Squirrels. *Oikos* 81: 130-142.
- EcoReference No.: 151711
Chemical of Concern: OXAC; Habitat: T; Effect Codes: BEH,POP; Code: LITE EVAL CODED (OXAC).
- Sharma, S., Chanemougasoundharam, A., Sarkar, D. , and Pandey, S. K. (2004). Carboxylic Acids Affect Induction, Development and Quality of Potato (*Solanum tuberosum* L.) Microtubers Grown In Vitro from Single-Node Explants. *Plant Growth Regul.* 44: 219-229.
- EcoReference No.: 101661
Chemical of Concern: ACAC,FMA,PPA; Habitat: T; Effect Codes: BCM,GRO,POP; Code: LITE EVAL CODED (PPA,ACAC,FMA).
- Simmons, L. J. (2008). Developing Alternatives to Methyl Bromide: A Focus on Acrolein (2-Propenal). *Ph.D.Thesis, Auburn Univ.* 259 p. (UMI# 3317346).
- EcoReference No.: 151625
Chemical of Concern: ACL,CYA,EPTC,MTAS,MTC,PPA; Habitat: T; Effect Codes: GRO,PHY,POP,REP; Code: LITE EVAL CODED (ACL,CYA,EPTC,MTAS,MTC,PPA).
- Toal, E. S. and Jones, P. W. (1999). Induction of Systemic Resistance to Sclerotinia sclerotiorum by Oxalic Acid in Oilseed Rape. *Plant Pathol.* 48: 759-767.
- EcoReference No.: 151684
Chemical of Concern: OXAC; Habitat: T; Effect Codes: ACC,POP; Code: LITE EVAL CODED (OXAC).
- Treverrow, N. L. (1991). Rice Bloodworm, Toxicity of Fatty Acids, 1981. *Insectic. Acaric. Tests* 16: 297-(15L).

- EcoReference No.: 103759
Chemical of Concern: ACAC,CAC,CRA,FMA,PPA; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (ACAC,CAC,CRA,FMA,PPA).
- Turner, L. W. (1982). Acute Toxicity of Selected Chemicals to Fathead Minnow, Water Flea and Mysid Shrimp Under Static and Flow-Through Test Conditions. *Final Rep.Coop.Agreement 807479-01-0, U.S.EPA, Off.of Pestic.and Toxic Subst., Washington, DC* 258 p.
- EcoReference No.: 9994
Chemical of Concern: 13DPE,2CP,ACE,ACL,DPDP,FA,NBZ; Habitat: A; Effect Codes: MOR,PHY; Code: LITE EVAL CODED (13DPE,2CP,ACE,ACL,DPDP,FA,NBZ), NO EFED CHEM (2CP).
- Uberoi, N. K. (1962). Mineral Requirements of the Larva of Rice Moth, *Corcyra cephalonica* (Staint.). Studies on Mineral Nutrition. *Comp. Biochem. Physiol.* 7: 47-53.
- EcoReference No.: 151686
Chemical of Concern: CaLC,Halides,MgSO4,NaCl,OXAC; Habitat: T; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (OXAC), NO ENDPOINT (CaLC,Halides,MgSO4,NaCl), NO NUTRIENT (Halides,MgSO4,NaCl), TARGET (Halides,NaCl).
- Union Carbide Corp. (1997). Chronic Toxicity of Acrolein to *Ceriodaphnia dubia* with Cover Letter Dated 07/23/1997. *EPA/OTS Doc.#86970000815* 12 p. (NTIS/OTS0573678).
- EcoReference No.: 80066
Chemical of Concern: ACL; Habitat: A; Effect Codes: MOR,REP; Code: LITE EVAL CODED (ACL).
- Van Alstyne, K. L., Wolfe, G. V., Freidenburg, T. L., Neill, A., and Hicken, C. (2001). Activated Defense Systems in Marine Macroalgae: Evidence for an Ecological Role for DMSP Cleavage. *Mar. Ecol. Prog. Ser.* 213: 53-65.
- EcoReference No.: 151694
Chemical of Concern: ACYA; Habitat: A; Effect Codes: ACC,BCM,BEH; Code: LITE EVAL CODED (ACYA).
- Venturino, A., Montagna, C. M., and Pechen de D'Angelo, A. M. (2007). Risk Assessment of Magnacide H Herbicide at Rio Colorado Irrigation Channels (Argentina). Tier 3: Studies on Native Species. *Environ. Toxicol. Chem.* 26: 177-182.
- EcoReference No.: 112788
Chemical of Concern: ACL; Habitat: A; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (ACL).
- Wallace, J. M. and Whitehand, L. C. (1980). Adverse Synergistic Effects Between Acetic, Propionic, Butyric and Valeric Acids on the Growth of Wheat Seedling Roots. *Soil Biol. Biochem.* 12: 445-446.
- EcoReference No.: 101600
Chemical of Concern: ACAC,PPA; Habitat: T; Effect Codes: GRO; Code: LITE EVAL CODED (PPA,ACAC).
- Witt, K. L., Knapton, A., Wehr, C. M., Hook, G. J., Mirsalis, J., Shelby, M. D., and MacGregor, J. T. (2000). Micronucleated Erythrocyte Frequency in Peripheral Blood of B6C3F1 Mice from Short-Term, Prechronic, and Chronic Studies of the NTP Carcinogenesis Bioassay Program. *Environ. Mol. Mutagen.* 36: 163-194.
- EcoReference No.: 116496
Chemical of Concern: AN,BNZ,CASTOR,CuS,DCB,EDB,ETHB,GLU,GYP,HCCP,MACL,MB,MEG,NaCr,OCRE,PPCP,TEAM; Habitat: T; Effect Codes: CEL; Code: LITE EVAL CODED

(AN,BNZ,CASTOR,CuS,DCB,EDB,ETHB,GLU,GYP,HCCP,MACL,MEG,NaCr,OCRE,PPCP,TEAM),
NO EFED CHEM (AN,PPCP), NO INHALE (MB), TARGET (CASTOR,DCB).

Wu, H., Pratley, J., and Haig, T. (2003). Phytotoxic Effects of Wheat Extracts on a Herbicide-Resistant Biotype of Annual Ryegrass (*Lolium rigidum*). *J. Agric. Food Chem.* 51: 4610-4616.

EcoReference No.: 101659

Chemical of Concern: PPA; Habitat: T; Effect Codes: GRO,REP; Code: LITE EVAL CODED (PPA).

Wu, Q. T., Deng, J. C., Long, X. X., Morel, J. L., and Schwartz, C. (2006). Selection of Appropriate Organic Additives for Enhancing Zn and Cd Phytoextraction by Hyperaccumulators. *J. Environ. Sci.* 18: 1113-1118.

EcoReference No.: 114088

Chemical of Concern: ACAC,CIT,EDTA,OXAC; Habitat: T; Effect Codes: BCM,POP,REP; Code: LITE EVAL CODED (ACAC,CIT,EDTA,OXAC).

Yarbrough, J. W. and Schultz, T. W. (2007). Abiotic Sulfhydryl Reactivity: A Predictor of Aquatic Toxicity for Carbonyl-Containing Alpha, beta -Unsaturated Compounds. *Chem. Res. Toxicol.* 20: 558-562.

EcoReference No.: 112789

Chemical of Concern: ACL,EAC; Habitat: A; Effect Codes: POP; Code: LITE EVAL CODED (ACL), NO PUBL AS (EAC).

Zaki, M. J., Javed, S., Abid, M., Khan, H., and Moinuddin, M. (2004). Evaluation of Some Chemicals Against Root Knot Nematodes, *Meloidogyne incognita*. *Int. J. Biol. Biotechnol.* 1: 613-618.

EcoReference No.: 98191

Chemical of Concern:

CBD,CBF,CIT,CPY,CoCl,CuCl,CuS,DCZ,FSTAL,MTM,NiCl,OXAC,PbAC,TPM,ZnCl₂; Habitat: T; Effect Codes: MOR,POP; Code: LITE EVAL CODED (CBD,CBF,CIT,CPY,CoCl,CuCl,CuS,DCZ,FSTAL,MTM,NiCl,OXAC,PbAC,TPM,ZnCl₂), TARGET (CBF,CPY).

Zimmering, S., Mason, J. M., and Valencia, R. (1989). Chemical Mutagenesis Testing in *Drosophila*. VII. Results of 22 Coded Compounds Tested in Larval Feeding Experiments. *Environ. Mol. Mutagen.* 14: 245-251.

EcoReference No.: 105959

Chemical of Concern: ACL,ASCN,DCDMH,GLU,MLH,PHTH; Habitat: T; Effect Codes: CEL,MOR,REP; Code: LITE EVAL CODED (ACL,ASCN,DCDMH,GLU,MLH,PHTH), TARGET (ASCN).

Accepted for EcoTox but not OPP

Aberg, B. (1982). Plant Growth Regulators. Xliv. Some Aliphatic Acids. *Swed J Agr* 12: 51-61.

EcoReference No.: 41307

Chemical of Concern: ACAC,CAC,CRA,GYP,NONA,PPA; Habitat: T; Effect Codes: GRO; Code: NO CONTROL (ACAC,CAC,CRA,GYP,NONA,PPA), NO ENDPOINT (ACAC,CAC,CRA,GYP,NONA,PPA).

Aimi, H., Uetake, M., and Shimizu, K. (2009). Effective Combinations of Functional Groups in Chemically Modified Kraft Lignins for Reduction of Aluminum Toxicity. *J. Wood Sci.* 55: 220-224.

EcoReference No.: 151704

Chemical of Concern: ACAC,AlCl,GLYA,OXAC,PHA; Habitat: T; Effect Codes: GRO; Code: NO EFED CHEM (AlCl), NO ENDPOINT (ACAC,AlCl,GLYA,OXAC,PHA), NO MIXTURE (ACAC,GLYA,OXAC,PHA).

Alexander, G. and Stevens, D. (1985). Fostering in Sheep. III. Facilitation by the Use of Odorants. *Appl. Anim. Behav. Sci.* 14: 345, 354 (doi: DOI: 10.1016/0168-1591(85)90058-9).

EcoReference No.: 118710

Chemical of Concern: EUC,MSC,PPA,VNL; Habitat: T; Effect Codes: GRO,MOR; Code: NO ENDPOINT (MSC,PPA,VNL), TARGET (EUC).

Ali, F. S. and Abdel-Moneim, A. A. (1989). Effect of Chemicals on Fungal alpha-Amylase Activity. *Zentbl. Mikrobiol.* 144: 623-628.

EcoReference No.: 81215

Chemical of Concern:

ACAC,AgN,AlOH,AsO4Na,CIT,CQTC,CaCl2,CdAC,CuCl,ETHN,FMA,FML,FeRS,FeS,GIB,Halides,Hg Cl2,INDBA,IPA,LLA,MOL,Na2P,NaBr,NaCl,NiS,OXAC,PL,PbAC,SFL,SRT,ZnCl2,ZnS; Habitat: T; Effect Codes: BCM; Code: NO EFED CHEM (AlOH,AsO4Na), NO ENDPOINT (ACAC,AgN,AlOH,AsO4Na,CIT,CQTC,CaCl2,CdAC,CuCl,ETHN,FMA,FML,FeRS,FeS,GIB,Halides,Hg Cl2,INDBA,IPA,LLA,MOL,Na2P,NaBr,NaCl,NiS,OXAC,PL,PbAC,SFL,SRT,ZnCl2,ZnS).

Alverson, J. (2003). Effects of Mycotoxins, Kojic Acid and Oxalic Acid, on Biological Fitness of *Lygus hesperus* (Heteroptera: Miridae). *J. Invertebr. Pathol.* 83: 60-62.

EcoReference No.: 151705

Chemical of Concern: OXAC; Habitat: T; Effect Codes: GRO,MOR,REP; Code: NO ENDPOINT (OXAC).

Badra, T., Saleh, M. A., and Oteifa, B. A. (1979). Nematicidal Activity and Composition of Some Organic Fertilizers and Amendments. *Rev. Nematol.* 2: 29-36.

EcoReference No.: 101614

Chemical of Concern: ACAC,PL,PPA; Habitat: T; Effect Codes: MOR; Code: NO DURATION (ACAC,PPA), OK (PL).

Banage, W. B. and Visser, S. A. (1965). The Effect of Some Fatty Acids and pH on a Soil Nematode. *Nematologica*

11: 255-262.

EcoReference No.: 101617

Chemical of Concern: ACAC,NaPP,PPA,SMS; Habitat: T; Effect Codes: MOR,PHY; Code: NO CONC (SMS), NO ENDPOINT (ACAC,NaPP,PPA).

Basf Corp. (1989). Intercompany Acrylate Study Group - Summary of Toxicological Research with Attachments and Cover Letter Dated 071289. *EPA/OTS Doc. #86-890001301* 75 p. (OTS0520805).

EcoReference No.: 151656

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: ACC,BEH,CEL,GRO,MOR,PHY; Code: NO ENDPOINT (ACYA,EAC).

BASF Corp. (1987). Results of Several Investigations with Propionic Acid with Cover Letter Dated 100687. *EPA/OTS Doc.#FYI-OTS-1087-0579* (NTIS/OTS 0000579-0): 5 p.

EcoReference No.: 103702

Chemical of Concern: PPA; Habitat: T; Effect Codes: CEL; Code: NO ENDPOINT (PPA).

Basf Corp. (1989). Summary of Toxicology Studies with Attachments and Cover Letter Dated 071289. *EPA/OTS Doc. #86-890001302* 76 p. (OTS0520806).

EcoReference No.: 151724

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: GRO,MOR,PHY; Code: NO CONTROL (ACYA,EAC).

Basler, A., Von der Hude, W., and Scheutwinkel, M. (1987). Screening of the Food Additive Propionic Acid for Genotoxic Properties. *Food Chem. Toxicol.* 25: 287-290.

EcoReference No.: 101585

Chemical of Concern: PPA; Habitat: T; Effect Codes: CEL; Code: NO EXP TYPE (PPA).

Bautista, D. M., Jordt, S. E., Nikai, T., Tsuruda, P. R., Read, A. J., Poblete, J., Yamoah, E. N., Basbaum, A. I., and Julius, D. (2006). TRPA1 Mediates the Inflammatory Actions of Environmental Irritants and Proalgesic Agents. *Cell (Cambridge)* 124: 1269-1282 (doi: 10.1016/j.cell.2006.02.023).

EcoReference No.: 109751

Chemical of Concern: ACL,CPS,GLO,MEN; Habitat: T; Effect Codes: BEH,PHY; Code: NO CONTROL (ACL,CPS,MEN), NO ENDPOINT (GLO).

Bentivegna, D. J. and Fernandez, O. A. (2005). Factors Affecting the Efficacy of Acrolein in Irrigation Channels in Southern Argentina. *Weed Res.* 45: 296-302.

EcoReference No.: 83296

Chemical of Concern: ACL; Habitat: A; Effect Codes: GRO,POP; Code: NO CONTROL (ACL), NO ENDPOINT (ACL).

Bjorling, D. E., Elkahwaji, J. E., Bushman, W., Janda, L. M., Boldon, K., Hopkins, W. J., and Wang, Z. Y. (2007). Acute Acrolein-Induced Cystitis in Mice. *BJU Int.* 99: 1523-1529.

EcoReference No.: 151586

Chemical of Concern: ACL; Habitat: T; Effect Codes: CEL,GRO; Code: NO EXP TYPE (ACL).

Black, K. A., Beskitt, J. L., Finch, L., Tallant, M. J., Udinsky, J. R., and Frantz, S. W. (1995). Disposition and Metabolism of Acrylic Acid in C3H Mice and Fischer 344 Rats After Oral or Cutaneous Administration. *J. Toxicol. Environ. Health* 45: 291-311.

EcoReference No.: 151699

Chemical of Concern: ACYA; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (ACYA), NO ENDPOINT (ACYA).

Borrison Labs (1986). Acute Oral Toxicity Study in Rats (LD50) with 2-Butenal. *EPA/OTS Doc. #878221647* 24 p. (OTS0510392).

EcoReference No.: 151636

Chemical of Concern: MACL; Habitat: T; Effect Codes: GRO,MOR,PHY; Code: NO CONTROL (MACL).

Borrison Labs (1986). Acute Oral Toxicity Study in Rats (LD50) With 2-Butenal (Addendum to Final Report). *EPA/OTS Doc. #878221648* 11 p. (OTS0510393).

EcoReference No.: 152048

Chemical of Concern: MACL; Habitat: T; Effect Codes: CEL,MOR,PHY; Code: NO CONTROL (MACL).

Bringmann, G. (1978). Determination of the Biological Toxicity of Water Pollutants on Protozoa. *Z. Wasser-Abwasser-Forsch.* 11: 210-215 (ENG ABS)) (English Translation:14 p) (Toxicology 90: 81700 (1979).

EcoReference No.: 117731

Chemical of Concern:

24DC,24DMA,3CE,4NP,ACAC,ACL,AN,ATC,AgN,BZO,CF,CIT,CTC,CdN,CuS,DBC,EDC,EGY,ETHN ,FUR,HCB,Halides,HgCl2,IPA,MCRE,MOL,MOR,NBZ,NPH,NaBr,NaCN,NaCr,NaNO3,NiCl,OCRE,PH TH,PL,PPNOL,PbAC,SFL,Se,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL
(24DC,24DMA,3CE,4NP,ACAC,ACL,AN,ATC,AgN,BZO,CF,CIT,CTC,CdN,CuS,EGY,ETHN,FUR,HC B,Halides,HgCl2,IPA,MCRE,MOL,MOR,NBZ,NPH,NaBr,NaCN,NaCr,NaNO3,NiCl,OCRE,PHTH,PL,PP NOL,PbAC,SFL,Se,TEG,TNT,TOL,Urea,nBUT), NO EFED CHEM (24DC,3CE,4NP,AN,ATC), NO ENDPOINT
(24DC,24DMA,3CE,4NP,ACAC,ACL,AN,ATC,AgN,BZO,CF,CIT,CTC,CdN,CuS,EGY,ETHN,FUR,HC B,Halides,HgCl2,IPA,MCRE,MOL,MOR,NBZ,NPH,NaBr,NaCN,NaCr,NaNO3,NiCl,OCRE,PHTH,PL,PP NOL,PbAC,SFL,Se,TEG,TNT,TOL,Urea,nBUT).

Bringmann, G. (1975). Determination of the Biologically Harmful Effect of Water Pollutants by Means of the Retardation of Cell Proliferation of the Blue Algae Microcystis. *Gesund. -Ing.* 96: 238-241(GER) (ENG TRANSL).

EcoReference No.: 10116

Chemical of Concern:

24DMA,2BE,3CE,4NP,AMSV,AMYOH,AN,ATC,As,AsO4Na,BNZ,C6OH,C8OH,CBZ,CF,CIT,CN,CTC ,Cd,Cu,CuS,DCB,DEG,DNT,EGY,ETHB,FML,FUR,HgCl2,IPA,MCRE,MOR,NBZ,NP,NPH,Na2Cr2,Na Cr,NaLS,NaNO3,OCRE,OXAC,PHTH,PL,PPNOL,Pb,PbAC,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: GRO; Code: NO CONTROL
(24DMA,2BE,3CE,4NP,AMSV,AMYOH,AN,ATC,As,AsO4Na,BNZ,C6OH,C8OH,CBZ,CF,CIT,CN,CT C,Cd,Cu,CuS,DCB,DEG,DNT,EGY,ETHB,FML,FUR,HgCl2,IPA,MCRE,MOR,NBZ,NP,NPH,Na2Cr2,N aCr,NaLS,NaNO3,OCRE,OXAC,PHTH,PL,PPNOL,Pb,PbAC,TEG,TNT,TOL,Urea,nBUT), NO EFED CHEM (2BE,3CE,4NP,AN,ATC,AsO4Na), NO ENDPOINT
(24DMA,2BE,3CE,4NP,AMSV,AMYOH,AN,ATC,As,AsO4Na,BNZ,C6OH,C8OH,CBZ,CF,CIT,CN,CT C,Cd,Cu,CuS,DCB,DEG,DNT,EGY,ETHB,FML,FUR,HgCl2,IPA,MCRE,MOR,NBZ,NP,NPH,Na2Cr2,N aCr,NaLS,NaNO3,OCRE,OXAC,PHTH,PL,PPNOL,Pb,PbAC,TEG,TNT,TOL,Urea,nBUT).

Bringmann, G. and Kuehn, R. (1982). Results of Toxic Action of Water Pollutants on Daphnia magna Straus Tested by an Improved Standardized Procedure. *Z. Wasser-Abwasser-Forsch.* 15: 1-6(GER) (ENG ABS)

(OECDG Data File).

EcoReference No.: 707

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYOH,AN,APAC,ATC,As,BNZ,BZO,C100H,C6OH,C8OH,CIT,CTC,Cd,Cr,DCB,DEG,DNT,EGY,ETHB,ETHN,FML,FUR,IPA,MCRE,MOL,MOR,NBZ,NP,NPH,NYP,NaLS,Ni,OCRE,PCP,PHTH,PL,PPGL,PPNOL,SCA,TEAM,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: BEH; Code: NO CONTROL
(24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYOH,AN,APAC,ATC,As,BNZ,BZO,C100H,C6OH,C8OH,CIT,CTC,Cd,Cr,DCB,DEG,DNT,EGY,ETHB,ETHN,FML,FUR,IPA,MCRE,MOL,MOR,NBZ,NP,NPH,NYP,NaLS,Ni,OCRE,PCP,PHTH,PL,PPGL,PPNOL,SCA,TEAM,TEG,TNT,TOL,Urea,nBUT), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC), NO ENDPOINT
(24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYOH,AN,APAC,ATC,BNZ,BZO,C100H,C6OH,C8OH,CIT,CTC,DCB,DEG,EGY,ETHB,ETHN,FML,FUR,IPA,MCRE,MOL,MOR,NBZ,NPH,NYP,NaLS,OCRE,PCP,PHTH,PL,PPGL,PPNOL,SCA,TEAM,TEG,TNT,TOL,Urea,nBUT).

Bringmann, G. and Kuhn, R. (1980). Comparison of the Toxicity Thresholds of Water Pollutants to Bacteria, Algae, and Protozoa in the Cell Multiplication Inhibition Test. *Water Res.* 14: 231-241 (Author Communication Used).

EcoReference No.: 5303

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACYA,AMSV,AMYOH,AN,ATC,Ag,AgN,As,AsO4Na,BNZ,BOR,BORON,BRA,BZO,Be,C6OH,C8OH,CF,CN,CTC,Cd,CdN,Cu,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NAIED,NBZ,NP,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPNOL,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL
(24DC,24DMA,2BE,3CE,4NP,ACYA,AMYOH,AN,ATC,Ag,AgN,AsO4Na,BNZ,BOR,BRA,BZO,C6OH,C8OH,CF,CTC,CdN,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaID,NaLS,OCRE,OXAC,PHTH,PL,PPNOL,PbAC,SFL,TEAM,TEG,TNT,TOL,Urea,nBUT), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC,AsO4Na), NO ENDPOINT
(24DC,24DMA,2BE,3CE,4NP,ACYA,AMSV,AMYOH,AN,ATC,Ag,AgN,As,AsO4Na,BNZ,BOR,BORON,BRA,BZO,Be,C6OH,C8OH,CF,CN,CTC,Cd,CdN,Cu,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NBZ,NP,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPNOL,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,nBUT).

Bringmann, G. and Kuhn, R. (1979). Comparison of Toxic Limiting Concentrations of Water Contaminants Toward Bacteria, Algae and Protozoa in the Cell-Growth Inhibition Test (Vergleich der Toxischen Grenzkonzentrationen Wassergefährdender Stoffe Gegen Bakterien, Algen und Protozoen im Zellvermehrungshemmtest). *G. I. Haustechnik Bauphysik Umwelttech* 100: 249-252(GER) (OECDG Data File).

EcoReference No.: 5014

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYOH,AN,ATC,Ag,AgN,As,AsO3Na,BNZ,BORON,BZO,C6OH,C8OH,CF,CIT,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NBZ,NPH,Na2Cr2,NaB,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPNOL,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL
(24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYOH,AN,ATC,Ag,AgN,As,AsO3Na,BNZ,BORON,BZO,C6OH,C8OH,CF,CIT,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NBZ,NPH,Na2Cr2,NaB,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPNOL,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,nBUT), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC,AsO3Na), NO ENDPOINT
(24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYOH,AN,ATC,Ag,AgN,As,AsO3Na,BNZ,BOR

ON,BZO,C6OH,C8OH,CF,CIT,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR, Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE, OXAC,PHTH,PL,PPNOL,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,nBUT).

Bringmann, G. and Kuhn, R. (1980). Determination of the Biological Effect of Water Pollutants in Protozoa. II. Bacteriovorous Ciliates (Bestimmung der Biologischen Schädigung Wassergefährdender Stoffe Gegen Protozoen. II. Bakterienfressende Ciliaten). *Z. Wasser-Abwasser-Forsch.* 13: 26-31(GER) (ENG ABS).

EcoReference No.: 6791

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACAC,ACL,ACYA,AMSV,AMYO,AN,ATC,Ag,AgN,As,AsO3Na,BNZ, BOR,BORON,BRA,BZO,C6OH,C8OH,CF,CIT,CN,CTC,Cd,CdN,Cu,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR, Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCN,NaID,OCRE,PHTH,PL,PPNOL,PbAC,SFL,TEAM,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL (24DC,2BE,3CE,4NP,ACYA,AN,ATC,AsO3Na), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC,AsO3Na), NO ENDPOINT (24DC,24DMA,2BE,3CE,4NP,ACAC,ACL,ACYA,AMSV,AMYO,AN,ATC,AgN,AsO3Na,BNZ,BOR, BZO,C6OH,C8OH,CF,CIT,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR, Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCN,NaID,OCRE,PHTH,PL,PPNOL,PbAC,SFL,TEAM,TEG,TNT,TOL,Urea,nBUT), OK (Ag,As,BORON,BRA,Cu).

Bringmann, G. and Kuhn, R. (1977). Limiting Values for the Damaging Action of Water Pollutants to Bacteria (*Pseudomonas putida*) and Green Algae (*Scenedesmus quadricauda*) in the Cell Multiplication Inhibition Test. *Z. Wasser-Abwasser-Forsch.* 10: 87, 98(GER) (ENG ABS)(ENG TRANSL, TR-80-0400, TR-78-0043, LITERATURE RES.CO.(OECD DATA FILE).

EcoReference No.: 7453

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO4Na,BNZ, BOR,BORON,BRA,BZO,C6OH,C8OH,CBL,CF,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EGY,EPRN,ETHB,ETHN,FML,FUR,HCB,HCCH, Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,VYL,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL (24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO4Na,BNZ, BOR,BORON,BRA,BZO,C6OH,C8OH,CBL,CF,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EGY,EPRN,ETHB,ETHN,FML,FUR,HCB,HCCH, Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,VYL,nBUT), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC,AsO4Na), NO ENDPOINT (24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO4Na,BNZ, BOR,BORON,BRA,BZO,C6OH,C8OH,CBL,CF,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EGY,EPRN,ETHB,ETHN,FML,FUR,HCB,HCCH, Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,VYL,nBUT).

Bringmann, G. and Kuhn, R. (1978). Limiting Values for the Noxious Effects of Water Pollutant Material to Blue Algae (*Microcystis aeruginosa*) and Green Algae (*Scenedesmus quadricauda*) in Cell Propagation Inhibition Tests (Grenzwerte der Schädigung Wassergefährdender Stoffe Gegen Blaualgen (*Microcystis aeruginosa*) und Grünalgen (*Scenedesmus quadricauda*) im Zellvermehrungshemmtest). *Vom Wasser* 50: 45-60(GER) (ENG ABS)(ENG TRANSL) (OECDG).

EcoReference No.: 19121

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO3Na,BNZ, BOR,BORON,BRA,BZO,C6OH,C8OH,CBL,CF,CIT,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EPRN,ETHB,ETHN,FML,FUR,HCCH, Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NPH,Na2Cr

2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,Zn,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL (24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO3Na,BNZ,BOR,BORON,BRA,BZO,C6OH,C8OH,CBL,CF,CIT,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EPRN,ETHB,ETHN,FML,FUR,HCCH,Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,Zn,nBUT), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC,AsO3Na), NO ENDPOINT (24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO3Na,BNZ,BOR,BORON,BZO,C6OH,C8OH,CBL,CF,CIT,CN,CTC,Cd,CdN,CuS,DCB,DEG,EGME,EPRN,ETHB,ETHN,FML,FUR,HCCH,Halides,HgCl2,IPA,KCN,MCRE,MLNR,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,Zn,nBUT).

Bringmann, G. and Kuhn, R. (1977). Results of the Damaging Effect of Water Pollutants on *Daphnia magna* (Befunde der Schädigungswirkung Wassergefährdender Stoffe Gegen *Daphnia magna*). *Z. Wasser-Abwasser-Forsch.* 10 : 161-166(GER) (ENG TRANSL)(ENG ABS) (OECDG Data File).

EcoReference No.: 5718

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACYA,AMSV,AMYO,AN,APAC,ATC,Ag,AgN,As,AsO4Na,BNZ,BOR,BORON,BRA,BZO,Be,C10OH,C6OH,C8OH,CBZ,CIT,CN,CPH,CTC,Cd,CdN,Cu,CuS,DCB,DEG,DGME,DNT,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NACE,NBZ,NP,NPH,Na2Cr2,Na3C,NaBr,NaCr,NaID,NaLS,Ni,OCRE,PHTH,PL,PPNOL,Pb,PbAC,Se,TEAM,TEG,TNT,TOL,Tl,Urea,ZnCl2,nBUT; Habitat: A; Effect Codes: MOR; Code: NO CONTROL (24DC,24DMA,2BE,3CE,4NP,ACYA,AMSV,AMYO,AN,APAC,ATC,Ag,AgN,As,AsO4Na,BNZ,BOR,BORON,BRA,BZO,Be,C10OH,C6OH,C8OH,CBZ,CIT,CN,CPH,CTC,Cd,CdN,Cu,CuS,DCB,DEG,DGME,DNT,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NACE,NBZ,NP,NPH,Na2Cr2,Na3C,NaBr,NaCr,NaID,NaLS,Ni,OCRE,PHTH,PL,PPNOL,Pb,PbAC,Se,TEAM,TEG,TNT,TOL,Tl,Urea,ZnCl2,nBUT), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC,AsO4Na), NO ENDPOINT (24DC,24DMA,2BE,3CE,4NP,ACYA,AMSV,AMYO,AN,APAC,ATC,Ag,AgN,As,AsO4Na,BNZ,BOR,BZO,C10OH,C6OH,C8OH,CTC,CdN,CuS,DCB,DEG,EGME,EGY,ETHB,ETHN,FML,FUR,Halides,HgCl2,IPA,KCN,MCRE,MOL,MOR,NACE,NBZ,NPH,Na2Cr2,Na3C,NaBr,NaID,NaLS,OCRE,PHTH,PL,PPNOL,PbAC,TEAM,TEG,TNT,TOL,Urea,ZnCl2,nBUT).

Bringmann, G. and Kuhn, R. (1978). Testing of Substances for Their Toxicity Threshold: Model Organisms *Microcystis* (Diplocystis) *aeruginosa* and *Scenedesmus quadricauda*. *Mitt. Int. Ver. Theor. Angew. Limnol.* 21: 275-284 (Author Communication Used) .

EcoReference No.: 15134

Chemical of Concern:

24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO4Na,BOR,BORON,BRA,BZO,Be,C6OH,C8OH,CBL,CBZ,CF,CN,CTC,Cd,CdN,Cu,CuS,DCB,DEG,DNT,EGY,EPRN,ETHB,ETHN,FML,FRN,FUR,HCCH,Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NP,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL (24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO4Na,BOR,BRA,BZO,C6OH,C8OH,CBL,CF,CTC,CdN,CuS,DCB,DEG,EGY,EPRN,ETHB,ETHN,FML,FUR,HCCH,Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NPH,Na2Cr2,NaBr,NaID,NaLS,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,PbAC,SFL,TEAM,TEG,TNT,TOL,Urea,nBUT), NO EFED CHEM (24DC,2BE,3CE,4NP,AN,ATC,AsO4Na), NO ENDPOINT (24DC,24DMA,2BE,3CE,4NP,ACAC,ACYA,AMSV,AMYO,AN,ATC,ATZ,Ag,AgN,As,AsO4Na,BOR,BORON,BRA,BZO,Be,C6OH,C8OH,CBL,CBZ,CF,CN,CTC,Cd,CdN,Cu,CuS,DCB,DEG,DNT,EGY,EPRN,ETHB,ETHN,FML,FRN,FUR,HCCH,Halides,HgCl2,IPA,KCN,LNR,MCRE,MLNR,MOL,MOR,NBZ,NP,NPH,Na2Cr2,NaBr,NaCr,NaID,NaLS,Ni,OCRE,OXAC,PHTH,PL,PPCP,PPNOL,PRN,Pb,PbAC,SFL,Se,TEAM,TEG,TNT,TOL,Urea,nBUT).

Bringmann, G. and Kuhn, R. (1977). Toxicity Threshold for Water Pollutants in the Cell Multiplication Test with Respect to Bacteria (*Pseudomonas putida*) and Green Algae (*Scenedesmus quadricauda*). *Z. Wasser-Abwasser-Forsch.* 10: 87-98.

EcoReference No.: 117720

Chemical of Concern:

24D,24DXY,2BE,4NP,ACAC,ACL,AMSV,AMYOH,AN,ATZ,AgN,BZO,C6OH,C8OH,CBL,CF,CIT,CT C,CdN,CuS,DCB,EAC,EDC,EPRN,ETHB,ETHN,FUR,HCb,HCCH,Halides,HgCl₂,IPA,MCRE,MLNR,MOL,MOR,NBZ,NPH,NaBr,NaCr,NaID,NaNO₃,NiCl,PHTH,PL,PPNOL,PRN,PbAC,SFL,TEAM,TEG,TNT,TOL,Urea,nBUT; Habitat: A; Effect Codes: POP; Code: NO CONTROL
(24D,24DXY,2BE,4NP,ACAC,ACL,AMSV,AMYOH,AN,ATZ,AgN,BZO,C6OH,C8OH,CBL,CF,CIT,CT C,CdN,CuS,DCB,EAC,EPRN,ETHB,ETHN,FUR,HCb,HCCH,Halides,HgCl₂,IPA,MCRE,MLNR,MOL,MOR,NBZ,NPH,NaBr,NaCr,NaID,NaNO₃,NiCl,PHTH,PL,PPCP,PPNOL,PRN,PbAC,SFL,TEAM,TEG,TNT,TOL,Urea,nBUT), NO EFED CHEM (2BE,4NP,AN), NO ENDPOINT
(24D,24DXY,2BE,4NP,ACAC,ACL,AMSV,AMYOH,AN,ATZ,AgN,BZO,C6OH,C8OH,CBL,CF,CIT,CT C,CdN,CuS,DCB,EAC,EPRN,ETHB,ETHN,FUR,HCb,HCCH,Halides,HgCl₂,IPA,MCRE,MLNR,MOL,MOR,NBZ,NPH,NaBr,NaCr,NaID,NaNO₃,NiCl,PHTH,PL,PPCP,PPNOL,PRN,PbAC,SFL,TEAM,TEG,TNT,TOL,Urea,nBUT).

Brusque, A. M., Mello, C. F., Buchanan, D. N., Terracciano, S. T., Rocha, M. P., Vargas, C. R., Wannmacher, C. M. D., and Wajner, M. (1999). Effect of Chemically Induced Propionic Acidemia on Neurobehavioral Development of Rats. *Pharmacol. Biochem. Behav.* 64: 529-534.

EcoReference No.: 101668

Chemical of Concern: PPA; Habitat: T; Effect Codes: ACC,BEH,GRO; Code: NO EXP TYPE (PPA).

Brusque, A. M., Terracciano, S. T., Fontella, F. U., Vargas, C., Da Silva, C. G., Wyse, A. T., Trindade, V. M. T., Wannmacher, C. M. D., and Wajner, M. (1998). Chronic Administration of Propionic Acid Reduces Ganglioside N-Acetylneuraminic Acid Concentration in Cerebellum of Young Rats. *J. Neurol. Sci.* 158: 121-124.

EcoReference No.: 101586

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,GRO; Code: NO EXP TYPE (PPA).

Bueld, J. E. and Netter, K. J. (1993). Factors Affecting the Distribution of Ingested Propionic Acid in the Rat Forestomach. *Food Chem. Toxicol.* 31: 169-176.

EcoReference No.: 101629

Chemical of Concern: PPA; Habitat: T; Effect Codes: ACC,BEH,CEL,GRO,MOR; Code: NO ENDPOINT (PPA).

Bushy Run Res Ctr (1992). Supplemental Information: Letter Submitting an Enclosed Histopathology Study Reviewing a Previously Submitted Chronic Dermal Oncogenicity Study in Mice on Acrylic Acid. *EPA/OTS Doc. #89-920000108* 67 p. (OTS05105412).

EcoReference No.: 152049

Chemical of Concern: ACYA,BAP; Habitat: T; Effect Codes: CEL,PHY; Code: NO EFED CHEM (BAP), NO ENDPOINT (ACYA,BAP).

Clausen, C. A. and Yang, V. (2007). Protecting Wood from Mould, Decay, and Termites with Multi-component Biocide Systems. *Int. Biodeterior. Biodegrad.* 59: 20-24.

EcoReference No.: 114172

Chemical of Concern: BRA,PPA,TBA; Habitat: T; Effect Codes: BEH,POP; Code: NO ENDPOINT (TBA), NO MIXTURE (BRA,PPA).

Coggeshall, M. (1931). Influence of Acetic, Propionic, Normal Butyric and Sulphuric Acids and Potassium Acetate on Elongation of Primary Roots of Seedlings of White Lupine. *Plant Physiol.* 6: 389-445.

EcoReference No.: 42007

Chemical of Concern: ACAC,KACE,PPA,SUA; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT (ACAC,KACE,PPA,SUA).

Cole, R. A., Jones, T. H., and Finch, S. (1989). Deterrent Effect of Carboxylic Acids on Cabbage Root Fly Oviposition. *Ann. Appl. Biol.* 115: 39-44.

EcoReference No.: 151720

Chemical of Concern: ACAC,BZO,FMA,GLYA,OXAC,PHA; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT (ACAC,BZO,FMA,GLYA,OXAC,PHA), TARGET (BZO,FMA).

Cope, O. B. (1965). Effects of Pesticides on Fish and Wildlife: 1964 Research Findings of the Fish and Wildlife Service. *Fish and Wildl.Serv.Circ.226, Fish and Wildlife Service, Washington, D.C.* 77 p.

EcoReference No.: 2871

Chemical of Concern:

24D,24DXY,ACL,ADC,AMSV,AND,ARM,ATN,ATZ,AsO3Na,BS,BTY,CAP,CBL,CHD,CuCl,CuS,DBAC,DBN,DDT,DDVP,DLD,DMT,DQT,DU,DZ,EN,EPRN,EPTC,FNF,FNT,FNTH,HCCH,HPT,MCB,MLN,MLT,MRX,MVP,MXC,Naled,PAQT,PMT,PPB,PPHD,PQT,PRN,PRO,PRT,RTN,SZ,TBF,TCF,TFM,TFN,TMP,TXP,VNT; Habitat: A; Effect Codes: ACC,BCM,CEL,MOR,PHY,POP,REP; Code: NO CONTROL

(24D,24DXY,ACL,ADC,AMSV,AND,ARM,ATN,ATZ,AsO3Na,BS,BTY,CAP,CBL,CHD,CuCl,CuS,DBAC,DBN,DDT,DDVP,DLD,DMT,DU,DZ,EN,EPRN,EPTC,FNF,FNT,FNTH,HCCH,HPT,MCB,MLT,MVP,MXC,Naled,PAQT,PMT,PPB,PPCP,PQT,PRN,PRO,PRT,RTN,SZ,TBF,TCF,TFN,TMP,TXP,VNT), NO EFED CHEM (AsO3Na,DBN), NO ENDPOINT

(24D,24DXY,ADC,AMSV,AND,ARM,ATN,AsO3Na,BS,BTY,CBL,CHD,CuCl,CuS,DBAC,DBN,DDT,DDVP,DLD,DMT,DQT,DU,DZ,EN,EPRN,FNF,FNT,FNTH,HCCH,HPT,MCB,MLN,MLT,MVP,MXC,Naled,PAQT,PPCP,PRN,RTN,SZ,TCF,TFN,TMP,TXP,VNT), OK (MRX,PPHD,TFM).

Cota-Sanchez, J. H. and Remarchuk, K. (2007). An Inventory of the Aquatic and Subaquatic Plants in SASKWater Canals in Central Saskatchewan, Canada, Before and After the Application of the Herbicide Magnacide. *Can. Field Nat.* 121: 164-167.

EcoReference No.: 151605

Chemical of Concern: ACL; Habitat: A; Effect Codes: POP; Code: NO ENDPOINT (ACL).

Crisosto, C. H., Lombard, P. B., Richardson, D. G., and Tetley, R. (1992). Putrescine Extends Effective Pollination Period in 'Comice' Pear (*Pyrus communis* L.) Irrespective of Post-Anthesis Ethylene Levels. *Sci. Hortic.* 49: 211-221.

EcoReference No.: 101615

Chemical of Concern: ETL,PPA; Habitat: T; Effect Codes: BCM,GRO; Code: NO EFFECT (PPA), NO TOXICANT (ETL).

Cui, S., Zhou, Q. X., Wei, S. H., Zhang, W., Cao, L., and Ren, L. P. (2007). Effects of Exogenous Chelators on Phytoavailability and Toxicity of Pb in *Zinnia elegans* Jacq. *J. Hazard. Mater.* 146: 341-346.

EcoReference No.: 151672

Chemical of Concern: CIT,OXAC,PbN; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT (PbN), NO MIXTURE (CIT,OXAC).

Das, S. K. and Banerjee, A. B. (1977). Toxic Fatty Acid Resistant Mutant of *Trichophyton rubrum*. *Acta Microbiol. Pol.* 26: 403-406.

EcoReference No.: 105700

Chemical of Concern: CRA,FAME,PPA,SRT,UDCA; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT (CRA,FAME,PPA,UDCA).

Dawson, G. W., Jennings, A. L., Drozdowski, D., and Rider, E. (1977). The Acute Toxicity of 47 Industrial Chemicals to Fresh and Saltwater Fishes. *J. Hazard. Mater.* 1: 303-318 (OECDG Data File).

EcoReference No.: 863

Chemical of Concern:

12DPA,2BE,AMYO,HNZ,CTC,DCB,DGME,DPDP,DSTCH,EGME,HXGL,MACL,MB,MOR,NaFS,PY PG,STCH,TEG,TI,VYL; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED (DCB,PYPG), NO CONTROL

(12DPA,2BE,AMYO,CTC,DGME,DPDP,DSTCH,EGME,HXGL,MACL,MB,MOR,NaFS,STCH,TEG), NO EFED CHEM (2BE), NO ENDPOINT

(12DPA,2BE,AMYO,CTC,DGME,DPDP,DSTCH,EGME,HXGL,MACL,MB,MOR,NaFS,STCH,TEG), OK (BNZ,TI,VYL).

De Mattos-Dutra, A., De Freitas, M. S., Lisboa, C. S. F., Pessoa-Pureur, R., and Wajner, M. (1998). Effects of Acute and Chronic Administration of Methylmalonic and Propionic Acids on the In Vitro Incorporation of ³²P into Cytoskeletal Proteins from Cerebral Cortex of Young Rats. *Neurochem.Int.* 33: 75-82.

EcoReference No.: 101587

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,GRO,PHY; Code: NO EXP TYPE (PPA).

De Mattos-Dutra, A., De Freitas, M. S., Wajner, M., and Pessoa-Pureur, R. (1998). Propionic and Methylmalonic Acids Inhibit the In Vitro Phosphorylation of a 85 kDa Cytoskeletal Protein from Cerebral Cortex of Rats. *Neurochem.Int.* 33: 407-414 .

EcoReference No.: 101584

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,PHY; Code: NO ENDPOINT (PPA), NO EXP TYPE (PPA).

Devaud, J. M., Keane, J., and Ferrus, A. (2003). Blocking Sensory Inputs to Identified Antennal Glomeruli Selectively Modifies Odorant Perception in Drosophila. *J. Neurobiol.* 56: 1-12.

EcoReference No.: 101588

Chemical of Concern: PPA; Habitat: T; Effect Codes: BEH,CEL; Code: NO ENDPOINT (PPA).

Domingo, J. L., Gomez, M., Llobet, J. M., and Corbella, J. (1991). Influence of Some Dietary Constituents on Aluminum Absorption and Retention in Rats. *Kidney Int.* 39: 598-601.

EcoReference No.: 151747

Chemical of Concern: ALOH,LLA,OXAC; Habitat: T; Effect Codes: ACC,BEH; Code: NO EFED CHEM (ALOH), NO MIXTURE (LLA,OXAC).

Dowden, B. F. and Bennett, H. J. (1965). Toxicity of Selected Chemicals to Certain Animals. *J. Water Pollut. Control Fed.* 37: 1308-1316.

EcoReference No.: 915

Chemical of Concern:

ACAC,AMSV,CN,CaCl₂,CrS,FMA,FML,FeCl,FeCl₃,Halides,K₂Cr₂O₇,KCN,KCl,KNO₃,MgCl₂,MgSO₄,NACE,NH,NHCl,NHOH,NHSO₄,Na₂Cr₂,Na₂P,NaBS,NaCBN,NaCO,NaCl,NaCr,NaNO₃,NaPP,NaSO₄,PL,PPA,SBS; Habitat: A; Effect Codes: MOR; Code: NO CONTROL

(ACAC,AMSV,CN,CaCl₂,CrS,FMA,FML,FeCl,FeCl₃,Halides,K₂Cr₂O₇,KCN,KCl,KNO₃,MgCl₂,MgSO₄,NACE,NH,NHCl,NHOH,NHSO₄,Na₂Cr₂,Na₂P,NaBS,NaCBN,NaCO,NaCl,NaCr,NaNO₃,NaPP,NaSO₄

,PL,PPA,SBS), NO ENDPOINT
(ACAC,AMSV,CaCl₂,CrS,FMA,FML,FeCl,FeCl₃,Halides,K₂Cr₂O₇,KCN,KCl,KNO₃,MgCl₂,MgSO₄,N
ACE,NHCl,NHOH,NHSO₄,Na₂Cr₂,Na₂P,NaBS,NaCBN,NaCO,NaCl,NaNO₃,NaPP,NaSO₄,PL,PPA,SBS
).

Ebihara, K., Miyada, T., and Nakajima, A. (1993). Hypocholesterolemic Effect of Cecally Infused Propionic Acid in Rats Fed a Cholesterol-Free, Casein Diet. *Nutr. Res.* 13: 209-217.

EcoReference No.: 101589

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,BEH,GRO; Code: NO EXP TYPE (PPA).

EG&G Bionomics (1978). In Depth Studies on Health and Environmental Impact of Selected Water Pollutants. *EPA Contract No.68-01-4646, Task III, Bioconcentration Studies, U.S.EPA, Washington, DC, Submitted by EG & G Bionomics, Wareham, MA* 40 p.

EcoReference No.: 120977

Chemical of Concern: 24DP,2CP,3CE,ACE,ACL,As,CF,CTC,ISO,PHTH; Habitat: A; Effect Codes: ACC; Code: NO CONTROL (24DP,2CP,3CE,ACE,ACL,As,CF,CTC,ISO,PHTH), NO EFED CHEM (2CP,3CE).

Ellis, M. M. (1937). Detection and Measurement of Stream Pollution. In: *Bull.Bur.Fish.No.22, U.S.Dep.Commerce, Washington, DC* 365-437.

EcoReference No.: 916

Chemical of Concern:

ACAC,Al,AIKS,As,BZO,Br₂,CaCl₂,CoCl,CrO₄,Cu,CuS,FeCl,FeCl₃,FeRS,FeS,HCL,Halides,NH,NaCl,NaClO,Ni,OXAC,PL,Pb,PbN,SFL,SUA,Se,Zn,ZnS; Habitat: A; Effect Codes: MOR; Code: NO CONTROL
(ACAC,Al,AIKS,As,BZO,Br₂,CaCl₂,CoCl,CrO₄,Cu,CuS,FeCl,FeCl₃,FeRS,FeS,HCL,Halides,NH,NaCl,NaClO,Ni,OXAC,PL,Pb,PbN,SFL,SUA,Se,Zn,ZnS), NO EFED CHEM (AIKS), NO ENDPOINT
(ACAC,AIKS,BZO,Br₂,CaCl₂,CoCl,CrO₄,CuS,FeCl,FeCl₃,FeRS,FeS,HCL,Halides,NaCl,NaClO,OXAC,PL,PbN,SFL,SUA,ZnS).

EPA/OTS (1992). Initial Submission: A Comparison of Single-Dose Oral LD50's for SPB with Cover Letter Dated 050792. *EPA/OTS Doc.#88-920002473* 42 p. (NTIS/OTS 0537283).

EcoReference No.: 104948

Chemical of Concern: ACYA,MLN; Habitat: T; Effect Codes: BEH,MOR,PHY; Code: NO CONTROL (ACYA,MLN).

Epstein, S. S., Arnold, E., Andrea, J., Bass, W., and Bishop, Y. (1972). Detection of Chemical Mutagens by the Dominant Lethal Assay in the Mouse. *Toxicol. Appl. Pharmacol.* 23: 288-325.

EcoReference No.: 36557

Chemical of Concern:

ACHY,ACL,AND,ARM,ASCN,BAP,BMC,CBL,CHD,CQTC,CaCY,Captan,CdCl,DDT,DDVP,DLD,DMETH,EDB,EN,FML,HPT,MLH,Mn,PPB,TCF,TPTH,TXP; Habitat: T; Effect Codes: GRO,MOR,REP; Code: NO EFED CHEM (ACHY), NO ENDPOINT
(ACL,ARM,ASCN,BMC,CBL,CQTC,CaCY,Captan,DDVP,FML,PPB,TCF), OK
(AND,BAP,CHD,CdCl,DDT,DLD,DMETH,EDB,EN,HPT,MLH,Mn,TPTH,TXP), TARGET (ACHY).

Etheridge, P. and Phillips, F. T. (1976). Laboratory Evaluation of New Insecticides and Bait Matrices for the Control of Leaf-Cutting Ants (Hymenoptera, Formicidae). *Bull. Entomol. Res.* 66: 569-578.

EcoReference No.: 101618

Chemical of Concern: ADC,AND,BDC,BMY,CPY,FMA,FNT,MOM,MRX,PIRM,PMR,PPA,TPM;

Habitat: T; Effect Codes: BEH,MOR; Code: LITE EVAL CODED (PMR), NO CONC (ADC,CPY,FNT,MOM,TPM), NO ENDPOINT (BMY,FMA,PPA), OK (AND,BDC,MRX,PIRM) .

Ferrar, P. H. and Walker, J. R. L. (1993). o-Diphenol Oxidase Inhibition - an Additional Role for Oxalic Acid in the Phytopathogenic Arsenal of *Sclerotinia sclerotiorum* and *Sclerotium rolfsii*. *Physiol. Mol. Plant Pathol.* 43: 415-422.

EcoReference No.: 151755

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM; Code: NO ENDPOINT (OXAC).

Flora, S. J. S., Kannan, G. M., Pant, B. P., and Jaiswal, D. K. (2002). Combined Administration of Oxalic Acid, Succimer and Its Analogue for the Reversal of Gallium Arsenide-Induced Oxidative Stress in Rats . *Arch. Toxicol.* 76: 269-276.

EcoReference No.: 75253

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM,PHY; Code: NO EXP TYPE (OXAC).

Freidig, A. P., Verhaar, H. J. M., and Hermens, J. L. M. (1999). Comparing the Potency of Chemicals with Multiple Modes of Action in Aquatic Toxicology: Acute Toxicity due to Narcosis Versus Reactive Toxicity of Acrylic Compounds. *Environ. Sci. Technol.* 33: 3038-3043.

EcoReference No.: 106351

Chemical of Concern: ACD,ACL,ACY,EAC; Habitat: A; Effect Codes: BCM,MOR; Code: NO EFED CHEM (ACD,ACY), NO ENDPOINT (ACD,ACL,ACY,EAC).

Funasaka, R., Ose, Y., and Sato, T. (1976). Studies on the Offensive-Odor Fish of the Nagara River. VII. Median Tolerance Limit Test of the Offensive-Odor Substances. *J. Hyg. Chem. (Eisei Kagaku)* 22: 20-23(JPN) (ENG ABS).

EcoReference No.: 6124

Chemical of Concern: ACAC,AMSV,BNZ,BZ,PL,PPA,TOL; Habitat: A; Effect Codes: PHY; Code: NO CONTROL (ACAC,AMSV,BNZ,BZ,PL,PPA,TOL), NO ENDPOINT (ACAC,AMSV,BNZ,PL,PPA,TOL).

Ghosh, J. and Nandi, B. (1985). Preservation of high-Moisture Wheat by Some Antifungal Volatile Compounds and Palatability Tests with Rats. *Acta Agric. Scand.* 35: 245-254.

EcoReference No.: 75978

Chemical of Concern: FUR,PPA; Habitat: T; Effect Codes: BCM,BEH,GRO,PHY; Code: NO ENDPOINT (FUR,PPA).

Gowing, D. P. and Leeper, R. W. (1960). Uncommon Plant Growth Regulators for the Control of Nutgrass and Oxalis. *Weeds (Urbana)* 8: 279-283.

EcoReference No.: 26056

Chemical of Concern: BZO,PPA,SCA; Habitat: T; Effect Codes: POP; Code: NO CONTROL (BZO,PPA,SCA), NO ENDPOINT (BZO,PPA,SCA).

Gregorc, A., Pogacnik, A., and Bowen, I. D. (2004). Cell Death in Honeybee (*Apis mellifera*) Larvae Treated with Oxalic or Formic Acid. *Apidologie* 35: 453-460.

EcoReference No.: 151674

Chemical of Concern: FMA,OXAC; Habitat: T; Effect Codes: CEL; Code: NO ENDPOINT (FMA,OXAC).

Guerios, S. D., Wang, Z. Y., Boldon, K., Bushman, W., and Bjorling, D. E. (2008). Blockade of NGF and TRK

Receptors Inhibits Increased Peripheral Mechanical Sensitivity Accompanying Cystitis in Rats. *Am. J. Physiol., Regul. Integr. Comp. Physiol.* 295: R111-R122.

EcoReference No.: 151703

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,CEL,GRO,PHY; Code: NO EXP TYPE (ACL).

Hamamoto, D. T., Forkey, M. W., Davis, W. L., Kajander, K. C., and Simone, D. A. (2000). The Role of pH and Osmolarity in Evoking the Acetic Acid-Induced Wiping Response in a Model of Nociception in Frogs. *Brain Res.* 862: 217-229.

EcoReference No.: 102885

Chemical of Concern: ACAC,FMA,HCL,OXAC,SUA; Habitat: T; Effect Codes: BCM,BEH; Code: NO CONTROL (ACAC), NO TOXICANT (FMA,HCL,OXAC,SUA) .

Harwig, J. and Scott, P. M. (1971). Brine Shrimp (*Artemia salina* L.) Larvae as a Screening System for Fungal Toxins. *Appl. Microbiol.* 21: 1011-1016.

EcoReference No.: 151695

Chemical of Concern: OXAC; Habitat: A; Effect Codes: MOR; Code: NO ENDPOINT (OXAC).

Hashimoto, K. and Aldridge, W. N. (1970). Biochemical Studies on Acrylamide, A Neurotoxic Agent. *Biochem. Pharmacol.* 19: 2591-2604.

EcoReference No.: 50026

Chemical of Concern: ACD,ACL,ACY,EAC,NPH; Habitat: T; Effect Codes: BCM,CEL,GRO,PHY; Code: NO EFED CHEM (ACD,ACY), NO EXP TYPE (ACD,ACL,ACY,EAC,NPH), NO IN VITRO (ACL).

Heimbeck, G., Bugnon, V., Gendre, N., Haberlin, C., and Stocker, R. F. (1999). Smell and Taste Perception in *Drosophila melanogaster* Larva: Toxin Expression Studies in Chemosensory Neurons. *J. Neurosci.* 19 : 6599-6609.

EcoReference No.: 101666

Chemical of Concern: Halides,NaCl,PPA; Habitat: T; Effect Codes: BEH; Code: NO ENDPOINT (PPA), TARGET (Halides,NaCl).

Higgins, L. G., Cavin, C., Itoh, K., Yamamoto, M., and Hayes, J. D. (2008). Induction of Cancer Chemopreventive Enzymes by Coffee is Mediated by Transcription Factor Nrf2. Evidence that the Coffee-Specific Diterpenes Cafestol and Kahweol Confer Protection Against Acrolein. *Toxicol. Appl. Pharmacol.* 226: 328-337.

EcoReference No.: 109212

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,CEL,MOR; Code: NO EXP TYPE (ACL), NO IN VITRO (ACL).

Hoechst Celanese Corp. (1991). Letter from Hoechst Celanese Corp to US EPA Containing Preliminary Information on a Chronic Skin-Painting Study with Acrylic Acid (Sanitized). *EPA/OTS Doc. #89-91000138* 4 p. (OTS05105401).

EcoReference No.: 151631

Chemical of Concern: ACYA,BAP; Habitat: T; Effect Codes: CEL; Code: NO EFED CHEM (BAP), NO ENDPOINT (ACYA,BAP).

Hoechst Celanese Corp. (1990). Letter from Hoechst Celanese Corporation to USEPA Submitting Preliminary Information on a Chronic Skin-Painting Study with an Organic Acid, Arylic Acid (Sanitized). *EPA/OTS*

Doc. #89-900000359 6 p. (OTS05105411).

EcoReference No.: 152052

Chemical of Concern: ACYA,BAP; Habitat: T; Effect Codes: PHY; Code: NO EFED CHEM (BAP), NO ENDPOINT (ACYA,BAP).

Humar, M., Sentjurs, M., Amarte, S. A., and Pohleven, F. (2005). Influence of Acidification of CCB (Cu/Cr/B) Impregnated Wood on Fungal Copper Tolerance. *Chemosphere* 58: 743-749.

EcoReference No.: 151675

Chemical of Concern: ACAC,FMA,OXAC,SUA; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT (ACAC,FMA,OXAC,SUA).

Ikeda, Y., Ueno, A., Naraba, H., and Oh-ishi, S. (2001). Involvement of Vanilloid Receptor VR1 and Prostanoids in the Acid-Induced Writhing Responses of Mice. *Life Sci.* 69: 2911-2919.

EcoReference No.: 100084

Chemical of Concern: LLA,PPA; Habitat: T; Effect Codes: PHY; Code: NO ENDPOINT (LLA,PPA), NO EXP TYPE (LLA,PPA).

Indus Bio-Test Labs Inc. (1991). Letter Concerning Enclosed Primary Skin Irritation Test and Air Quality Dispersion Modeling Report with Attachments. *EPA/OTS Doc.#86-920000433* (NTIS/OTS0534489).

EcoReference No.: 152025

Chemical of Concern: ETO,PPA; Habitat: T; Effect Codes: PHY; Code: NO CONTROL (ETO,PPA), NO ENDPOINT (ETO,PPA).

Indus Bio-Test Labs Inc. (1983). Primary Skin Irritation Tests with Eighteen Materials in Albino Rabbits with Cover Letter. *EPA/OTS Doc.#878212151* 306 p. (OTS0206028).

EcoReference No.: 151680

Chemical of Concern: ACAC,EAC,ETO,FML,MACL,PPA; Habitat: T; Effect Codes: PHY; Code: NO CONTROL (ACAC,EAC,ETO,FML,MACL,PPA), NO ENDPOINT (ACAC,EAC,ETO,FML,MACL,PPA).

Industrial Bio Test Labs Inc. (1989). Primary Skin Irritation Tests with Eighteen Materials in Albino Rabbits with Cover Letter Dated 061589. *EPA/OTS Doc.#86-890001277* 31 p. (NTIS/OTS0520783).

EcoReference No.: 151664

Chemical of Concern: ACAC,EAC,ETO,FML,MACL,PPA; Habitat: T; Effect Codes: PHY; Code: NO CONTROL (ACAC,EAC,ETO,FML,MACL,PPA), NO ENDPOINT (ACAC,EAC,ETO,FML,MACL,PPA).

Institut Fur Toxikologie (1988). Results of In Vivo DNA Binding Studies on Acrylic Acid with Cover Letter Dated 031788. *EPA/OTS Doc. #FYI-OTS-0388-0608* 21 p. (OTS00006080).

EcoReference No.: 151662

Chemical of Concern: ACYA; Habitat: T; Effect Codes: ACC,CEL,GRO; Code: NO ENDPOINT (ACYA).

Janovicek, K. J., Vyn, T. J., Voroney, R. P., and Allen, O. B. (1997). Early Corn Seedling Growth Response to Acetic, Propionic and Butyric Acids. *Can. J. Plant Sci.* 77: 333-337.

EcoReference No.: 101634

Chemical of Concern: ACAC,PPA; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT (ACAC,PPA).

Jayaraj, J., Bhuvaneswari, R., Rabindran, R., Muthukrishnan, S., and Velazhahan, R. (2010). Oxalic Acid-Induced Resistance to *Rhizoctonia solani* in Rice is Associated with Induction of Phenolics, Peroxidase and Pathogenesis-Related Proteins. *J. Plant Interact.* 5: 147-157.

EcoReference No.: 151764

Chemical of Concern: OXAC; Habitat: T; Effect Codes: BCM,POP; Code: NO ENDPOINT (OXAC).

Jpn Chem Indu Ecol-Tox Inf Ctr (1995). Biodegradation and Bioaccumulation Data of Existing Chemicals Based on the CSCL Japan, with Cover Letter Dated 01/19/95. *EPA/OTS Doc. #86950000071* 82 p. (OTS0557584) .

EcoReference No.: 151658

Chemical of Concern: ACYA,EAC; Habitat: A; Effect Codes: ACC,MOR; Code: NO CONTROL (ACYA,EAC).

Jurke, C. J. and Fernando, W. G. D. (2008). Comparison of Growthroom Screening Techniques for the Determination of Physiological Resistance to Sclerotinia Stem Rot in Brassica napus. *Arch. Phytopathol. Plant Prot.* 41: 157-174 .

EcoReference No.: 151722

Chemical of Concern: OXAC; Habitat: T; Effect Codes: POP; Code: NO CONTROL (OXAC), NO ENDPOINT (OXAC).

Kodak Health Environmental Labs (1986). Toxicity and Health Hazard Summary for 2-Butenal with Cover Letter Dated 042886. *EPA/OTS Doc. #878216409* 5 p. (OTS0510337).

EcoReference No.: 152053

Chemical of Concern: MACL; Habitat: T; Effect Codes: MOR,PHY; Code: NO CONTROL (MACL).

Kohriyama, K., Matsuoka, M., and Igisu, H. (1994). Effects of Acrylamide and Acrylic Acid on Creatine Kinase Activity in the Rat Brain. *Arch. Toxicol.* 68: 67-70.

EcoReference No.: 98647

Chemical of Concern: ACD,ACYA; Habitat: T; Effect Codes: ACC,BCM,BEH,GRO; Code: NO EFED CHEM (ACD), NO EXP TYPE (ACD,ACYA).

Korhonen, A., Hemminki, K., and Vainio, H. (1983). Toxicity of Rubber Chemicals Towards Three-Day Chicken Embryos. *Scand. J. Work Environ. Health* 9: 115-119.

EcoReference No.: 88677

Chemical of Concern: ACD,ACL,AN,DHB,DPA,ETU,HOX,MBTZ,TEAM; Habitat: T; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (DHB,ETU), NO EFED CHEM (ACD,AN), NO ENDPOINT (MBTZ), NO EXP TYPE (ACD,ACL,AN,DHB,DPA,ETU,HOX,MBTZ,TEAM), NO REVIEW (HOX).

Krogh, P., Hasselager, E., and Friis, P. (1970). Studies on Fungal Nephrotoxicity. 2. Isolation of Two Nephrotoxic Compounds from *Penicillium viridicatum* Westling: Citrinin and Oxalic Acid. *Acta Pathol. Microbiol. Scand. Section B: Microbiol. Immunol.* 78: 401-413.

EcoReference No.: 151666

Chemical of Concern: OXAC; Habitat: T; Effect Codes: CEL,MOR; Code: NO ENDPOINT (OXAC).

Kutzman, R. S., Meyer, G. J., and Wolf, A. P. (1982). The Biodistribution and Metabolic Fate of (11C) Acrylic Acid in the Rat After Acute Inhalation Exposure or Stomach Intubation. *J. Toxicol. Environ. Health* 10: 969-979.

EcoReference No.: 151601

Chemical of Concern: ACYA; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (ACYA), NO

ENDPOINT (ACYA).

Langridge, D. F. (1965). Effects of Acrolein Weedicide on Honey Bees. *J.Agric. (Vic.)* 63: 349-351.

EcoReference No.: 151584

Chemical of Concern: ACL; Habitat: T; Effect Codes: BEH,MOR,PHY,POP; Code: NO ENDPOINT (ACL).

Larsen, B. R. (1986). Synergistic Effects of Acid Rain and (+/-)-2-(2,4-Dichlorophenoxy)-Propanoic Acid (2,4-DP) on Growth, Mineral Content and Stress-Induced Ethylene in Lettuce. *Environ. Pollut. A.* 41: 179-196.

EcoReference No.: 101669

Chemical of Concern: ETL,PPA; Habitat: T; Effect Codes: BCM,POP; Code: NO TOXICANT (ETL,PPA).

Leal, J. A. and Gomez-Miranda, B. (1967). Effect of Amino Acids and Organic Acids on the Sexual Reproduction of Species of Phytophthora and Pythium. *Trans. Br. Mycol. Soc.* 50: 77-84.

EcoReference No.: 101635

Chemical of Concern: PPA; Habitat: T; Effect Codes: REP; Code: NO MIXTURE (PPA).

Lehner, A., Meimoun, P., Errakhi, R., Madiona, K., Barakate, M., and Bouteau, F. (2008). Toxic and Signalling Effects of Oxalic Acid: Oxalic Acid - Natural Born Killer or Natural Born Protector? *Plant Signal. Behav.* 3: 746-748.

EcoReference No.: 151649

Chemical of Concern: OXAC; Habitat: T; Effect Codes: CEL,GRO,POP; Code: NO ENDPOINT (OXAC).

Levi-Minzi, R., Saviozzi, A., and Riffaldi, R. (1994). Organic Acids as Seed Germination Inhibitors. *J. Environ. Sci. Health. Part A, Environ. Sci. Eng. Toxic Hazard. Substance Control* 29: 2203-2217.

EcoReference No.: 101624

Chemical of Concern: ACAC,FMA,PPA; Habitat: T; Effect Codes: REP; Code: NO ENDPOINT (ACAC,FMA,PPA).

Liang, Y., Strelkov, S. E., and Kav, N. N. V. (2009). Oxalic Acid-Mediated Stress Responses in Brassica napus L. *Proteomics (Weinh.)* 9: 3156-3173.

EcoReference No.: 151709

Chemical of Concern: HCL,OXAC; Habitat: T; Effect Codes: BCM,CEL,PHY; Code: NO ENDPOINT (HCL,OXAC).

Liu, D. S., Liu, W. J., Chen, L., Ou, X. M., Wang, T., Feng, Y. L., Zhang, S. F., Xu, D., Chen, Y. J., and Wen, F. Q. (2009). Rosiglitazone, a Peroxisome Proliferator-Activated Receptor-Gamma Agonist, Attenuates Acrolein-Induced Airway Mucus Hypersecretion in Rats. *Toxicology* 260: 112-119.

EcoReference No.: 151593

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,CEL; Code: NO INHALE (ACL).

Llobet, J. M., Domingo, J. L., Gomez, M., Tomas, J. M., and Corbella, J. (1987). Acute Toxicity Studies of Aluminium Compounds: Antidotal Efficacy of Several Chelating Agents. *Pharmacol. Toxicol.* 60: 280-283.

EcoReference No.: 151650

Chemical of Concern: AlCl,AlN,AlS,CIT,OXAC; Habitat: T; Effect Codes: BEH,MOR,PHY; Code:

NO CONTROL (AlCl,AlN,AIS,CIT,OXAC), NO EFED CHEM (AlCl,AlN,AIS), NO MIXTURE (CIT,OXAC).

Lundahl, P. and Cabridenc, R. (1978). Molecular Structure - Biological Properties Relationships in Anionic Surface-Active Agents . *Water Res.* 12: 25-30.

EcoReference No.: 5798

Chemical of Concern: CAC,NaCAC,NaPP,PPA; Habitat: A; Effect Codes: MOR,PHY; Code: NO CONTROL (CAC,NaCAC,NaPP,PPA), NO ENDPOINT (NaCAC,NaPP).

Macedo, F. Y. B., Baltazar, F., Mourao, L. C., Almeida, P. R. C., Mota, J. M. S. C., Schmitt, F. C., and Ribeiro, R. A. (2008). Induction of COX-2 Expression by Acrolein in the Rat Model of Hemorrhagic Cystitis. *Exp.Toxicol.Pathol.* 59: 425-430 .

EcoReference No.: 105918

Chemical of Concern: ACL; Habitat: T; Effect Codes: CEL,GRO; Code: NO EXP TYPE (ACL).

Martinez-Martinez, I., Ordonez, A., Guerrero, J. A., Pedersen, S., Minano, A., Teruel, R., Velazquez, L., Kristensen, S. R., Vicente, V., and Corral, J. (2009). Effects of Acrolein, a Natural Occurring Aldehyde, on the Anticoagulant Serpin Antithrombin. *FEBS Lett.* 583: 3165-3170.

EcoReference No.: 151594

Chemical of Concern: ACL; Habitat: T; Effect Codes: PHY; Code: NO EXP TYPE (ACL).

Masaru, N., Syozo, F., and Saburo, K. (1976). Effects of Exposure to Various Injurious Gases on Germination of Lily Pollen. *Environ. Pollut.* 11: 181-187.

EcoReference No.: 41087

Chemical of Concern: ACL,FML,SO2; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT (ACL,FML,SO2).

Mayer, F. L. Jr. (1987). Acute Toxicity Handbook of Chemicals to Estuarine Organisms. *EPA 600/8-87-017, U.S.EPA, Gulf Breeze, FL* 274 p.

EcoReference No.: 3947

Chemical of Concern:

24D,24DC,24DXY,24DXYBEE,ACD,ACL,ACP,ADC,ALSV,AMTR,AND,ANZ,ATM,ATZ,AZ,AgN,As TO,BMC,BS,CAP,CBF,CBL,CHD,CMPH,CPY,CST,CTN,CYP,Captan,CdCl,DBN,DCF,DCPA,DCTP,D DE,DDT,DDVP,DEM,DFZ,DLD,DMB,DMT,DQTBBr,DS,DSMA,DU,DZ,EDT,EN,EP,EPRN,EPTC,ES,E TN,FBM,FMP,FNF,FNT,FNTH,HCb,HCCH,HCCP,HMN,HPT,HgCl2,K2Cr2O7,MCB,MDT,MLN,MLT, MP,MRX,MTAS,MVP,MXC,Maneb,NTP,NaHCT,NaLS,NaPCP,Naled,PCP,PEB,PHTH,PL,PMR,PMT,P PCP,PPHD,PPX,PQT,PRN,PRO,PRT,PSM,RTN,SFR,SZ,TBC,TBF,TBTO,TCF,TDC,TEG,TFN,TMP,TP TH,TRL,VNT,Zineb,Ziram,ZnS; Habitat: A; Effect Codes: GRO,MOR,PHY,POP; Code: NO CONTROL

(24D,24DC,24DXY,24DXYBEE,ACD,ACL,ACP,ADC,ALSV,AMTR,AND,ANZ,ATM,ATZ,AZ,AgN,As TO,BMC,BS,CAP,CBF,CBL,CHD,CMPH,CPY,CST,CTN,CYP,Captan,CdCl,DBN,DCF,DCPA,DCTP,D DE,DDT,DDVP,DEM,DFZ,DLD,DMB,DMT,DQTBBr,DS,DSMA,DU,DZ,EDT,EN,EP,EPRN,EPTC,ES,E TN,FBM,FMP,FNF,FNT,FNTH,HCb,HCCH,HCCP,HMN,HPT,HgCl2,K2Cr2O7,MCB,MDT,MLN,MLT, MP,MRX,MTAS,MVP,MXC,Maneb,NTP,NaHCT,NaLS,NaPCP,Naled,PCP,PEB,PHTH,PL,PMR,PMT,P PCP,PPHD,PPX,PQT,PRN,PRO,PRT,PSM,RTN,SFR,SZ,TBC,TBF,TBTO,TCF,TDC,TEG,TFN,TMP,TP TH,TRL,VNT,Zineb,Ziram,ZnS), NO EFED CHEM (24DC,ACD,AMTR,ANZ,AsTO,DBN).

Mellon Inst Of Indus Res (1992). Initial Submission: Summary of Range-Finding Tests on Crotonaldehyde with Cover Letter Dated 09/08/92. *EPA/OTS Doc. #88-920009348* 12 p. (NTIS/OTS055401).

EcoReference No.: 151661

- Chemical of Concern: MACL; Habitat: T; Effect Codes: GRO,MOR,PHY; Code: NO CONTROL (MACL).
- Mellon Institute (1986). Range Finding Tests on Crotonaldehyde with Cover Letter Dated 050286. *Epa/ots; doc #878216444* 10 p. (OTS0510372).
- EcoReference No.: 151580
Chemical of Concern: MACL; Habitat: T; Effect Codes: CEL,GRO,MOR; Code: NO CONTROL (MACL).
- Merriam, F. V., Wang, Z. Y., Guerios, S. D., and Bjorling, D. E. (2008). Cannabinoid Receptor 2 is Increased in Acutely and Chronically Inflamed Bladder of Rats. *Neurosci. Lett.* 445: 130-134.
- EcoReference No.: 151654
Chemical of Concern: ACL; Habitat: T; Effect Codes: CEL; Code: NO EXP TYPE (ACL).
- Monsanto Co. (1992). Initial Submission: Toxicological Investigation of: CP 66423 with Cover Letter Dated 081392. *EPA/OTS Doc.#88-920007558* 7 p. (NTIS/OTS 0545750).
- EcoReference No.: 104122
Chemical of Concern: PPA; Habitat: T; Effect Codes: MOR,PHY; Code: NO CONTROL (PPA).
- Montelius, J., Wahlkvist, H., Boman, A., Fernstrom, P., Grabergs, L., and Wahlberg, J. E. (1994). Experience with the Murine Local Lymph Node Assay: Inability to Discriminate Between Allergens and Irritants. *Acta Dermato-Venereol.* 74: 22-27.
- EcoReference No.: 151668
Chemical of Concern: BZC,CF,MBTZ,MOL,NaLS,OXAC,PHSL; Habitat: T; Effect Codes: CEL,GRO; Code: NO ENDPOINT (BZC,CF,MBTZ,MOL,NaLS,OXAC,PHSL), NO MIXTURE (CF,MOL).
- Moorhouse, K. G. and Casida, J. E. (1992). Pesticides as Activators of Mouse Liver Microsomal Glutathione S-Transferase. *Pestic. Biochem. Physiol.* 44: 83-90.
- EcoReference No.: 79085
Chemical of Concern: ACL,ACR,ATZ,Captan,EPTC,MITC,TMT; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (Captan,EPTC,MITC), NO EXP TYPE (ACL,ACR,ATZ,Captan,EPTC,MITC,TMT), NO IN VITRO (ACL,ACR,ATZ,TMT).
- Mouly, A., Rumeau, D., and Esquerré-Tugayé, M. T. (1992). Differential Accumulation of Hydroxyproline-Rich Glycoprotein Transcripts in Sunflower Plants Infected with *Sclerotinia sclerotiorum* or Treated with Oxalic Acid. *Plant Sci.* 85: 51-59.
- EcoReference No.: 151723
Chemical of Concern: OXAC; Habitat: T; Effect Codes: CEL; Code: NO ENDPOINT (OXAC).
- Murphy, S. D. (1969). Some Relationships Between Effects of Insecticides and Other Stress Conditions. *Ann. N. Y. Acad. Sci.* 160: 366-377.
- EcoReference No.: 38072
Chemical of Concern: ACL,AZ,EPRN,PRN; Habitat: T; Effect Codes: BCM,PHY; Code: LITE EVAL CODED (AZ), NO EXP TYPE (ACL,AZ,EPRN,PRN).
- Murphy, S. D. and Porter, S. (1966). Effects of Toxic Chemicals on Some Adaptive Liver Enzymes, Liver Glycogen, and Blood Glucose in Fasted Rats. *Biochem. Pharmacol.* 15: 1665-1676.
- EcoReference No.: 87635

Chemical of Concern: ACL,AZ,PPCP,TCF; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (AZ), NO EFED CHEM (PPCP), NO ENDPOINT (ACL,PPCP,TCF), NO EXP TYPE (ACL,AZ,PPCP,TCF).

Mutinelli, F., Baggio, A., Capolongo, F., Piro, R., Prandin, L., and Biasion, L. (1997). A Scientific Note on Oxalic Acid by Topical Application for the Control of Varroosis. *Apidologie* 28: 461-462.

EcoReference No.: 151767

Chemical of Concern: CMPH,OXAC; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT (CMPH,OXAC).

Nonneman, A. J., Elder, T., Farmer II, B. T., and Butterfield, D. A. (1988). Hippocampal Neurotoxicity Produced by Quinolinic Acid and Related Neurotoxins. *Biochem. Arch.* 4: 209-215.

EcoReference No.: 101736

Chemical of Concern: PPA; Habitat: T; Effect Codes: PHY; Code: NO ENDPOINT (PPA), NO EXP TYPE (PPA).

Ohta, K., Matsumoto, H., and Nawamaki, T. (1978). A Screening Procedure for Repellents Against a Sea Snail. *Agric. Biol. Chem.* 42: 1491-1493.

EcoReference No.: 119161

Chemical of Concern: AN,BZO,CAC,CuS,FAME,IND,NONA,OLEA,PL,PPA,SCA; Habitat: A; Effect Codes: BEH; Code: NO EFED CHEM (AN), NO ENDPOINT (AN,BZO,CAC,CuS,FAME,IND,NONA,OLEA,PL,PPA,SCA).

Ontario Water Resources Commission (1959). Cladophora Investigations: A Report of Observation on the Nature and Control of Excessive Growth of Cladophora sp. in Lake Ontario. *Report, Ontario Water Resources Commission, Ontario, Canada* 30 p.

EcoReference No.: 150517

Chemical of Concern: ACL,AsO3Na,CuS; Habitat: A; Effect Codes: PHY,POP; Code: NO CONTROL (ACL,AsO3Na,CuS), NO EFED CHEM (AsO3Na), NO ENDPOINT (ACL,AsO3Na,CuS).

Owe-Larsson, A. and Skog, E. (1951). The Effect of Tetraethylthiuramdisulphide (Disulfiram) Upon the Toxicity of Lower Aliphatic Aldehydes. (Formaldehyde, Acetaldehyde, Propionaldehyde, Butyraldehyde, Acrolein and Crotonaldehyde). *Acta Pharm. Toxicol.* 7: 220-226.

EcoReference No.: 151603

Chemical of Concern: ACL,FML,MACL; Habitat: T; Effect Codes: MOR; Code: NO CONTROL (ACL,FML,MACL), NO ENDPOINT (ACL,MACL).

Pauli, W. and Berger, S. (1997). Toxicological Comparisons of Tetrahymena Species, End Points and Growth Media: Supplementary Investigations to the Pilot Ring Test. *Chemosphere* 35: 1043-1052.

EcoReference No.: 18285

Chemical of Concern: 24DC,C6OH,C8OH,CPH,CdCl,DLD,HCCH,K2Cr2O7,MACL,NP,NPH,PCP,PPCP; Habitat: A; Effect Codes: POP; Code: NO EFED CHEM (24DC), NO ENDPOINT (24DC,C6OH,C8OH,CPH,CdCl,DLD,HCCH,K2Cr2O7,MACL,NP,NPH,PCP,PPCP).

Pettenuzzo, L. F., Schuck, P. F., Fontella, F., Wannmacher, C. M. D., Wyse, A. T., Dutra-Filho, C. S., Netto, C. A., and Wajner, M. (2002). Ascorbic Acid Prevents Cognitive Deficits Caused by Chronic Administration of Propionic Acid to Rats in the Water Maze. *Pharmacol. Biochem. Behav.* 73: 623-629.

EcoReference No.: 101663

Chemical of Concern: ACAC,PPA; Habitat: T; Effect Codes: BCM,BEH,GRO; Code: NO EXP TYPE

(ACAC,PPA).

Pokarzhevskii, A. D. and Persson, T. (1995). Effects of Oxalic Acid and Lime on the Enchytraeid *Cognettia sphagnetorum* (Vejd) in Mor Humus. *Water Air Soil Pollut.* 85: 1045-1050.

EcoReference No.: 151597

Chemical of Concern: CaCO₃,OXAC; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT (CaCO₃,OXAC).

Pontovich, W. E. (1944). Development of Tau-Saghyz Seedlings as Affected by Organic Acids. *Dokl. Akad. Nauk SSSR Ser. A* 42: 360-364.

EcoReference No.: 104363

Chemical of Concern: CIT,LLA,PPA; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT (CIT,LLA,PPA).

Prill, E. A., Barton, L. V., and Solt, M. L. (1949). Effects of Some Organic Acids on the Growth of Wheat Roots in Solutions. *Contrib. Boyce Thompson Inst.* 15: 429-435.

EcoReference No.: 43246

Chemical of Concern: ACAC,BZO,CAC,CIT,EDTA,FMA,ISO,PPA,SCA; Habitat: T; Effect Codes: GRO; Code: NO DURATION (ISO), NO ENDPOINT (ACAC,BZO,CAC,CIT,EDTA,FMA,ISO,PPA,SCA).

Raisuddin, S. and Misra, J. K. (1991). Aflatoxin in Betel Nut and Its Control by Use of Food Preservatives. *Food Addit. Contam.* 8: 707-712.

EcoReference No.: 106814

Chemical of Concern: BRA,PPA; Habitat: T; Effect Codes: BCM; Code: NO ENDPOINT (BRA,PPA).

Reynolds, T. (1975). pH Restraints on Lettuce Fruit Germination. *Ann. Bot.* 39: 797-805 (OECDG Data File).

EcoReference No.: 56371

Chemical of Concern:

ACAC,BZO,CIT,CRA,FMA,GLT,H₃PO₄,HCL,IAA,INDBA,KOH,NH,NHOH,NONA,OXAC,PHA,PPA,SRT,SUA; Habitat: T; Effect Codes: REP; Code: NO CONTROL (ACAC,BZO,CIT,CRA,FMA,GLT,H₃PO₄,HCL,INDBA,KOH,NHOH,NONA,OXAC,PHA,PPA,SRT,SUA), NO ENDPOINT (ACAC,BZO,CIT,CRA,FMA,GLT,H₃PO₄,HCL,INDBA,KOH,NHOH,NONA,OXAC,PHA,PPA,SUA), OK (NH), TARGET (ACAC,GLT,H₃PO₄,HCL,IAA,INDBA,KOH,NHOH,NONA,SUA).

Rigo, F. K., Pasquetti, L., Malfatti, C. R. M., Fighera, M. R., Coelho, R. C., Petri, C. Z., and Mello, C. F. (2006). Propionic Acid Induces Convulsions and Protein Carbonylation in Rats. *Neurosci. Lett.* 408: 151-154.

EcoReference No.: 101662

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,PHY; Code: NO EXP TYPE (PPA).

Rikans, L. E. (1987). The Oxidation of Acrolein by Rat Liver Aldehyde Dehydrogenases. Relation to Allyl Alcohol Hepatotoxicity. *Drug Metab. Dispos.* 15: 356-362.

EcoReference No.: 99258

Chemical of Concern: ACL,CYA; Habitat: T; Effect Codes: BCM,GRO; Code: LITE EVAL CODED (CYA), NO EXP TYPE (ACL,CYA).

Roark, R. C. and Cotton, R. T. (1929). Tests of Various Aliphatic Compounds as Fumigants. *Tech. Bull.* 162, Dept. Agric., Washington, DC 52 p.

EcoReference No.: 26882

Chemical of Concern:

3CE,4CE,ACAC,ACL,AMYO,ATZ,C6OH,C8OH,CF,CTC,EDB,ELT,ETHN,ETO,FAME,FMA,FML,IPA,MACL,MB,MOL,PPA,PPNOL,PPO; Habitat: T; Effect Codes: MOR; Code: NO CONTROL (3CE,4CE,ACAC,ACL,AMYO,ATZ,C6OH,C8OH,CF,CTC,EDB,ELT,ETHN,ETO,FAME,FMA,FML,IPA,MACL,MB,MOL,PPA,PPNOL,PPO), NO EFED CHEM (3CE,4CE), NO ENDPOINT (ETHN,PPNOL), TARGET (CTC,EDB,ETO,FMA,MB,PPO).

Rohm and Haas Co. (2000). Acrylic Acid and Ethyl Acrylate Metabolism in Rats with Attachments and Cover Letter Dated 072789 (Sanitized). *EPA/OTS Doc. #86-890001353S* 77 p. (OTS0520853).

EcoReference No.: 151716

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (ACYA,EAC), NO ENDPOINT (ACYA,EAC).

Rohm and Haas Co. (2000). Acrylic Acid and Ethyl Acrylate: Range-Finding IV Kinetic Study in Male Mice (Final Report) with Attachments and Cover Letter Date 071789 (Sanitized). *EPA/OTS Doc. #86-890001355S* 52 p. (OTS0520855).

EcoReference No.: 151628

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (ACYA,EAC), NO ENDPOINT (ACYA,EAC), NO EXP TYPE (ACYA,EAC).

Rohm and Haas Co. (1989). Depletion of Rat Hepatic Glutathione by Acrylic Acid, Ethyl Acrylate and 2-Hydroxyethyl Acrylate with Attachments and Cover Letter Dated 071289. *EPA/OTS Doc. #86-890001322* 19 p. (OTS0520826).

EcoReference No.: 151660

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: BCM; Code: NO ENDPOINT (ACYA,EAC).

Rohm and Haas Co. (1989). Ethyl Acrylate & Acrylic Acid: Depletion of Non-Protein Sulfhydryl Content in the Stomach of Male Rats Following Oral Dosing W-Attachments & Cover Letter Dated 071789 (Sanitized). *EPA/OTS Doc. #86-890001357S* 103 p. (OTS0520857).

EcoReference No.: 151718

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: BCM,GRO; Code: NO ENDPOINT (ACYA,EAC).

Rohm and Haas Co. (2000). Situation & Results of Recent Investigations into the Toxicity of Acrylic Acid & Its Esters & a NTP Technical Report on the Carcinogenesis Bioassay of Ethyl Acrylate W-Attachments. *EPA/OTS Doc. #86-890001294* 299 p. (OTS0520798).

EcoReference No.: 151629

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: CEL,GRO,MOR,PHY; Code: NO ENDPOINT (ACYA), OK (EAC).

Rohm and Haas Co. (1987). Summary Toxicology Studies Done on Acrylic Acid, Ethyl Acrylate and Butyl Acrylate with Attachments and Cover Letter Dated 082084. *EPA/OTS Doc. #FYI-OTS-0487-0367* 3115 p. (OTS00003674).

EcoReference No.: 151681

Chemical of Concern: ACYA,EAC; Habitat: T; Effect Codes: PHY; Code: NO ENDPOINT (ACYA,EAC).

Rowlands, D. G. and Dyte, C. E. (1972). Effects of Aliphatic Acids on the Metabolism and Potency of Fenitrothion in Flour Beetles. *Pestic. Sci.* 3: 191-195.

EcoReference No.: 101623

Chemical of Concern: ACAC,FMA,FNT,PPA; Habitat: T; Effect Codes: MOR; Code: NO CONTROL (FNT), NO MIXTURE (ACAC,FMA,PPA), TARGET (FMA,FNT).

Saiki, R., Park, H., Ishii, I., Yoshida, M., Nishimura, K., Toida, T., Tatsukawa, H., Kojima, S., Ikeguchi, Y., Pegg, A. E., Kashiwagi, K., and Igarashi, K. (2011). Brain Infarction Correlates More Closely with Acrolein than with Reactive Oxygen Species. *Biochem. Biophys. Res. Commun.* 404 : 1044-1049.

EcoReference No.: 151683

Chemical of Concern: ACL,STRP; Habitat: T; Effect Codes: BCM,CEL; Code: NO EXP TYPE (ACL,STRP).

Sakata, T. and Setoyama, H. (1995). Local Stimulatory Effect of Short-Chain Fatty Acids on the Mucus Release from the Hindgut Mucosa of Rats (*Rattus norvegicus*). *Comp. Biochem. Physiol. A Physiol.* 111: 429-432.

EcoReference No.: 101671

Chemical of Concern: ACAC,Halides,NaCl,PPA; Habitat: T; Effect Codes: CEL; Code: NO EXP TYPE (ACAC,Halides,NaCl,PPA), NO MIXTURE (ACAC,Halides,NaCl,PPA).

Salminen, E., Salminen, S., Marks, V., and Bridges, J. W. (1983). Urinary Excretion of Orally Administered Oxalic Acid in Xylitol Fed Mice. *Dev. Toxicol. Environ. Sci.* 11: 333-336.

EcoReference No.: 151667

Chemical of Concern: OXAC; Habitat: T; Effect Codes: ACC,PHY; Code: NO CONTROL (OXAC), NO ENDPOINT (OXAC).

Salminen, S., Salminen, E., Bridges, J. W., and Marks, V. (1988). Intestinal Absorption of Oxalate by Xylitol-Treated Rats and Mice. *Toxicol. Lett.* 44: 113-120.

EcoReference No.: 151670

Chemical of Concern: OXAC; Habitat: T; Effect Codes: ACC,PHY; Code: NO CONTROL (OXAC), NO ENDPOINT (OXAC).

Sanderson, M. A., Meyer, D. W., and Casper, H. H. (1986). Dicoumarol Concentrations in Sweet Clover Hay Treated with Preservatives and in Spoiled Hay of high- and Low-Coumarin Cultivars of Sweetclover. *Anim. Feed Sci. Technol.* 14: 221-230.

EcoReference No.: 101556

Chemical of Concern: Halides,NaCl,PPA; Habitat: T; Effect Codes: POP; Code: NO MIXTURE (Halides,NaCl,PPA).

Schafer, E. W. (1972). Acute Oral Toxicity of 369 Pesticidal, Pharmaceutical and Other Chemicals to Wild Birds. *Toxicol. Appl. Pharmacol.* 21: 315-330.

EcoReference No.: 38655

Chemical of Concern:

ACL,AN,AND,AZ,BZC,BZO,CBL,CBZ,CMPH,CPY,CYT,Captan,DCTP,DDVP,DEM,DMT,DS,DZ,EN,ES,ETN,FNTH,HCCH,MAL,MCB,MLN,MP,MRX,NCTN,NP,PCP,PPHD,PRT,PSM,SFL,TCF,THM,TMP,Zineb,Ziram; Habitat: T; Effect Codes: MOR; Code: NO CONTROL (ACL,AN,AND,AZ,BZC,BZO,CBL,CBZ,CMPH,CPY,CYT,Captan,DCTP,DDVP,DEM,DMT,DS,DZ,EN,ES,ETN,FNTH,HCCH,MAL,MCB,MLN,MP,MRX,NCTN,NP,PCP,PPHD,PRT,PSM,SFL,TCF,THM,TMP,Zineb,Ziram), NO EFED CHEM (AN), TARGET (EN,FNTH).

Schuman, G. E. and McCalla, T. M. (1976). Effect of Short-Chain Fatty Acids Extracted from Beef Cattle Manure on Germination and Seedling Development. *Appl. Environ. Microbiol.* 31: 655-660.

EcoReference No.: 26027

Chemical of Concern: ACAC,PPA; Habitat: T; Effect Codes: REP; Code: NO ENDPOINT (ACAC,PPA).

Sekizawa, J., Yasuhara, K., Suyama, Y., Yamanaka, S., Tobe, M., and Nishimura, M. (1994). A Simple Method for Screening Assessment of Skin and Eye Irritation. *J. Toxicol. Sci.* 19: 25-35.

EcoReference No.: 101632

Chemical of Concern: ACAC,FMA,FML,H3PO4,HOX,NH,NaHCT,PL,PPA,SUA; Habitat: T; Effect Codes: CEL; Code: NO ENDPOINT (ACAC,FMA,FML,H3PO4,HOX,NH,NaHCT,PL,PPA,SUA), TARGET (HOX).

Shell Oil Co. (1994). Initial Submission: Determination of Acute Toxicity to Fish of Shell Chemicals I. (Including Tetrahydrothiophene 1,1-Dioxide), with Cover Letter Dated 2/7/84. *EPA/OTS Doc.#FYI-OTS-0794-1002* (NTIS/OTS 0001002): 24 p.

EcoReference No.: 93611

Chemical of Concern: 13DPA,ACL,BNZ,DEG,DPDP,ETHN,PL,PPO,PYPG,TOL,XYL; Habitat: A; Effect Codes: MOR; Code: NO CONTROL (13DPA,ACL,BNZ,DEG,DPDP,ETHN,PL,PPO,PYPG,TOL,XYL).

Siju, K. P., Hill, S. R., Hansson, B. S., and Ignell, R. (2010). Influence of Blood Meal on the Responsiveness of Olfactory Receptor Neurons in Antennal Sensilla Trichodea of the Yellow Fever Mosquito, *Aedes aegypti*. *J. Insect Physiol.* 56: 659-665.

EcoReference No.: 151651

Chemical of Concern: 2BE,ACAC,CRA,IND,MCRE,MNK,PCRE,PL,PPA; Habitat: T; Effect Codes: PHY; Code: NO EFED CHEM (2BE), NO ENDPOINT (2BE,ACAC,CRA,IND,MCRE,MNK,PCRE,PL,PPA), TARGET (IND).

Sircar, S. M. and Bose, S. (1960). Effect of Various Factors on the Inactivation of beta-Indole Acetic Acid In Vitro. *Proc.Natl.Inst.Sci.India Part B Biol.Sci.* 26: 409-420.

EcoReference No.: 151517

Chemical of Concern: CIT,IAA,OXAC; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT (CIT,IAA,OXAC).

Stiemke, R. E. and Eckenfelder, W. W. (1947). A Practical Method for Predicting the Effects of Common Acids and Alkalies on the Survival of Fish. *Bull.No.33, Dept.of Eng.Res., North Carolina State College, Raleigh, NC* 45 p.

EcoReference No.: 117591

Chemical of Concern: ACAC,CuS,H3PO4,HCL,KI,LLA,NHOH,NaCBN,NaOH,PPA,SUA; Habitat: A; Effect Codes: BEH,MOR; Code: NO CONTROL (ACAC,CuS,HCL,LLA,NHOH,NaCBN,NaOH,PPA,SUA), NO ENDPOINT (CuS,NaCBN,NaOH), OK (H3PO4,KI).

Sverdrup, L. E., Kallqvist, T., Kelley, A. E., Furst, C. S., and Hagen, S. B. (2001). Comparative Toxicity of Acrylic Acid to Marine and Freshwater Microalgae and the Significance for Environmental Effects Assessments. *Chemosphere* 45: 653-658 .

EcoReference No.: 62084

Chemical of Concern: ACYA; Habitat: A; Effect Codes: POP; Code: NO CONTROL (ACYA), NO

ENDPOINT (ACYA).

Szot, R. J. and Murphy, S. D. (1970). Phenobarbital and Dexamethasone Inhibition of the Adrenocortical Response of Rats to Toxic Chemicals and Other Stresses. *Toxicol. Appl. Pharmacol.* 17: 761-773.

EcoReference No.: 39045

Chemical of Concern: ACL,DDT,EPRN,PRN; Habitat: T; Effect Codes: BCM; Code: NO EXP TYPE (ACL), OK (DDT,EPRN,PRN).

Tachimoto, M., Kobayashi, M., and Takahashi, E. (1986). Bioassay of Decomposed Products of Rapeseed Cake Using *Lemna paucicostata* 6746. *Soil Sci. Plant Nutr.* 32: 223-231.

EcoReference No.: 101345

Chemical of Concern: ACAC,PPA; Habitat: A; Effect Codes: BCM,POP; Code: NO ENDPOINT (ACAC,PPA).

Tao, S., Long, A., Pan, B., Xu, F., and Dawson, R. (2002). Uptake of Copper Complexed to EDTA, Diaminoethane, Oxalic Acid, or Tartaric Acid by Neon Tetras (*Paracheirodon innesi*). *Ecotoxicol. Environ. Saf.* 53: 317-322.

EcoReference No.: 73313

Chemical of Concern: Cu,EDTA,OXAC; Habitat: A; Effect Codes: ACC; Code: NO ENDPOINT (Cu,EDTA,OXAC), NO MIXTURE (EDTA,OXAC).

Tchan, Y. T. and Chiou, C. M. (1977). Bioassay of Herbicides by Bioluminescence. *Acta. Phytopathol. Acad. Sci. Hung.* 12: 3-11.

EcoReference No.: 26532

Chemical of Concern: ACL,ATZ,BMC,DU,SZ; Habitat: A; Effect Codes: PHY; Code: NO ENDPOINT (ACL,ATZ,BMC,DU,SZ).

Ten Lohuis, M., Galliano, H., Heidmann, I., and Meyer, P. (1995). Treatment with Propionic and Butyric Acid Enhances Expression Variegation and Promoter Methylation in Plant Transgenes. *Biol. Chem. Hoppe-Seyler* 376: 311-320.

EcoReference No.: 101346

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,CEL,PHY; Code: NO ENDPOINT (PPA).

Tosh, J. E., Senior, E., Smith, J. E., and Watson-Craik, I. A. (1993). Ectomycorrhizal Seedling Response to Selected Components of Landfill Leachate. *Mycol. Res.* 97: 129-135.

EcoReference No.: 101631

Chemical of Concern: ACAC,FAME,PPA; Habitat: T; Effect Codes: MOR,POP; Code: NO CONTROL (ACAC,FAME,PPA).

Tramontano, W. A., Gelardi, P., and Jouve, D. (1994). Incorporation and Cell-Cycle Effects of Short-Chain Fatty Acids in Pea Root Meristems. *Phytochemistry (Oxf.)* 36: 19-21.

EcoReference No.: 101628

Chemical of Concern: PPA; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (PPA), NO ENDPOINT (PPA).

Trenel, J. and Kuhn, R. (1982). Bewertung Wassergefährdender Stoffe im Hinblick auf Lagerung, Umschlag und Transport. *Umweltforschungsplan des Bundesministers des Innern (GER)* (OECDG Data File).

EcoReference No.: 56394

Chemical of Concern:

23DPE,24DC,4CE,DMT,DPDP,DU,EDB,FMA,HOX,LNR,MACL,MP,NAPH,NHN,NYP,OMT,PCP,PHT H,SCA; Habitat: A; Effect Codes: BEH,CEL; Code: NO CONTROL
(23DPE,24DC,4CE,DMT,DPDP,DU,EDB,FMA,HOX,LNR,MACL,MP,NAPH,NHN,NYP,OMT,PCP,PH TH,SCA), NO EFED CHEM (24DC,4CE), NO ENDPOINT
(23DPE,24DC,4CE,DPDP,EDB,FMA,HOX,LNR,MACL,MP,NAPH,NHN,OMT,PCP,PHTH,SCA).

Trindade, V. M. T., Brusque, A. M., Raasch, J. R., Pettenuzzo, L. F., Rocha, H. P., Wannmacher, C. M. D., and Wajner, M. (2002). Ganglioside Alterations in the Central Nervous System of Rats Chronically Injected with Methylmalonic and Propionic Acids. *Metab. Brain Dis.* 17: 93-102.

EcoReference No.: 101660

Chemical of Concern: PPA; Habitat: T; Effect Codes: CEL,GRO; Code: NO EXP TYPE (PPA).

Union Carbide Chemical and Plastics Co. (1986). Environmental Impact Product Analysis. Acute Aquatic Toxicity Testing with Cover Letter Dated 050286 (Sanitized). *EPA/OTS Doc. #40-8612020* 16 p. (NTIS/OTS0530862).

EcoReference No.: 151785

Chemical of Concern: MACL; Habitat: A; Effect Codes: MOR; Code: NO CONTROL (MACL).

Union Carbide Corp. (1986). Environmental Impact Product Analysis: Acute Aquatic Toxicity Testing with Cover Letter Dated 050286 (Sanitized). *EPA/OTS Doc. #878216446* 17 p. (OTS0510374).

EcoReference No.: 151626

Chemical of Concern: MACL; Habitat: A; Effect Codes: MOR; Code: NO CONTROL (MACL).

Varga, J., Janovak, L., Varga, E., Eros, G., Dekany, I., and Kemeny, L. (2009). Acrylamide, Acrylic Acid and N-Isopropylacrylamide Hydrogels as Osmotic Tissue Expanders. *Skin Pharmacol. Physiol.* 22: 305-312.

EcoReference No.: 151652

Chemical of Concern: ACD,ACYA; Habitat: T; Effect Codes: CEL,PHY; Code: NO CONTROL (ACD,ACYA), NO EFED CHEM (ACD), NO ENDPOINT (ACD,ACYA), NO EXP TYPE (ACD,ACYA).

Vernot, E. H., MacEwen, J. D., Haun, C. C., and Kinkad, E. R. (1977). Acute Toxicity and Skin Corrosion Data for Some Organic and Inorganic Compounds and Aqueous Solutions. *Toxicol. Appl. Pharmacol.* 42: 417-423.

EcoReference No.: 88386

Chemical of Concern: AN,CHN,DNT,HCL,MCRE,MITC,MLH,NP,PPA; Habitat: T; Effect Codes: CEL,MOR,PHY; Code: NO CONTROL (AN,CHN,DNT,MCRE,MITC,MLH,NP), NO EFED CHEM (AN), NO ENDPOINT (HCL,PPA).

Villalba, J. J., Provenza, F. D., and Shaw, R. (2006). Sheep Self-Medicate when Challenged with Illness-Inducing Foods. *Anim. Behav.* 71: 1131-1139.

EcoReference No.: 151773

Chemical of Concern: OXAC,PEG; Habitat: T; Effect Codes: BEH; Code: NO ENDPOINT (OXAC,PEG).

Waldroup, A., Kaniawati, S., and Mauromoustakos, A. (1995). Performance Characteristics and Microbiological Aspects of Broilers Fed Diets Supplemented with Organic Acids. *J. Food Prot.* 58: 482-489.

EcoReference No.: 101652

Chemical of Concern: CIT,LLA,PPA; Habitat: T; Effect Codes: BEH,GRO; Code: LITE EVAL CODED (CIT), NO MIXTURE (PPA), OK (LLA).

Wareing, M. and Green, R. (1994). Effect of Formate and Oxalate on Fluid Reabsorption from the Proximal Convoluted Tubule of the Anaesthetized Rat. *J. Physiol. (Lond.)* 477: 347-354.

EcoReference No.: 151692

Chemical of Concern: OXAC; Habitat: T; Effect Codes: PHY; Code: NO EXP TYPE (OXAC).

Weete, J. D. (1992). Induced Systemic Resistance to *Alternaria cassiae* in Sicklepod. *Physiol. Mol. Plant Pathol.* 40: 437-445.

EcoReference No.: 151775

Chemical of Concern: OXAC,SCA; Habitat: T; Effect Codes: PHY,POP; Code: NO ENDPOINT (OXAC,SCA).

White, J. C., Mattina, M. J. I., Lee, W. Y., Eitzer, B. D., and Iannucci-Berger, W. (2003). Role of Organic Acids in Enhancing the Desorption and Uptake of Weathered p,p'-DDE by Cucurbita pepo. *Environ. Pollut.* 124: 71-80.

EcoReference No.: 71407

Chemical of Concern: CIT,DDE,EDTA,OXAC; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (CIT,DDE,EDTA,OXAC), NO ENDPOINT (CIT,DDE,EDTA,OXAC), NO MIXTURE (CIT,EDTA,OXAC).

Wills, R. B. H., Scott, K. J., and Bailey, W. M. (1977). Reduction of Superficial Scald in Apples with Monoterpenes. *Aust. J. Agric. Res.* 28: 445-448.

EcoReference No.: 43016

Chemical of Concern:

ACYA,APAC,ASA,C10OH,DLMEN,DPA,EZASA,FAR,GER,LIN,MEN,NAA,NER,PPGL; Habitat: T; Effect Codes: PHY; Code: LITE EVAL CODED (DLMEN,DPA,EZASA,GER,LIN,NAA,NER,PPGL), NO CONTROL (ACYA,APAC,ASA,C10OH,DLMEN,DPA,EZASA,FAR,GER,LIN,MEN,NAA,NER,PPGL), NO ENDPOINT (ACYA,APAC,ASA,C10OH,DLMEN,DPA,EZASA,FAR,GER,LIN,MEN,NAA,NER,PPGL), NO EXP TYPE (ACYA,APAC,ASA,C10OH,DLMEN,DPA,EZASA,FAR,GER,LIN,MEN,NAA,NER,PPGL), TARGET (DLMEN).

Winter, S. M. and Sipes, I. G. (1993). The Disposition of Acrylic Acid in the Male Sprague-Dawley Rat Following Oral or Topical Administration. *Food Chem. Toxicol.* 31: 615-621.

EcoReference No.: 151693

Chemical of Concern: ACYA; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (ACYA), NO ENDPOINT (ACYA).

Winter, S. M., Weber, G. L., Gooley, P. R., MacKenzie, N. E., and Sipes, I. G. (1992). Identification and Comparison of the Urinary Metabolites of (1,2,3-¹³C₃) Acrylic Acid and (1,2,3-¹³C₃) Propionic Acid in the Rat by Homonuclear ¹³C Nuclear Magnetic Resonance Spectroscopy. *Drug Metab. Dispos.* 20: 665-672.

EcoReference No.: 101440

Chemical of Concern: ACYA,NaPP,PPA; Habitat: T; Effect Codes: ACC; Code: NO CONTROL (ACYA,NaPP,PPA), NO ENDPOINT (ACYA,NaPP,PPA).

Woodruff, R. C., Mason, J. M., Valencia, R., and Zimmering, S. (1985). Chemical Mutagenesis Testing in *Drosophila*. V. Results of 53 Coded Compounds Tested for the National Toxicology Program. *Environ. Mutagen.* 7: 677-702.

EcoReference No.: 95102

Chemical of Concern:

12DPA,4CE,AMTL,CIN,CLNB,DCDMH,DCF,DPDP,EPTC,ETU,FML,FUR,HCN,MACL,OPHP,PCL,PL ; Habitat: T; Effect Codes: CEL,MOR,REP; Code: NO EFED CHEM (4CE), NO ENDPOINT (12DPA,DPDP,ETU,HCN,MACL,PL), NO EXP TYPE (AMTL,FUR,PCL), OK (CLNB,DCDMH,EPTC,FML,OPHP), TARGET (12DPA,CIN,DCF,DPDP).

Wyse, A. T. S., Brusque, A. M., Silva, C. G., Streck, E. L., Wajner, M., and Wannmacher, C. M. D. (1998). Inhibition of Na⁺,K⁺-ATPase from Rat Brain Cortex by Propionic Acid. *Neuroreport* 9: 1719-1721.

EcoReference No.: 101599

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,GRO; Code: NO EXP TYPE (PPA).

Yoshida, M., Cowgill, S. E., and Wightman, J. A. (1997). Roles of Oxalic and Malic Acids in Chickpea Trichome Exudate in Host-Plant Resistance to *Helicoverpa armigera*. *J. Chem. Ecol.* 23: 1195-1210.

EcoReference No.: 151690

Chemical of Concern: OXAC; Habitat: T; Effect Codes: ACC,POP,REP; Code: NO ENDPOINT (OXAC).

Yousefipour, Z., Ranganna, K., Newaz, M. A., and Milton, S. G. (2005). Mechanism of Acrolein-Induced Vascular Toxicity. *J. Physiol. Pharmacol.* 56: 337-353.

EcoReference No.: 151540

Chemical of Concern: ACL; Habitat: T; Effect Codes: BCM,GRO,PHY; Code: NO EXP TYPE (ACL).

Zimmering, S., Mason, J. M., Valencia, R., and Woodruff, R. C. (1985). Chemical Mutagenesis Testing in *Drosophila*. II. Results of 20 Coded Compounds Tested for the National Toxicology Program. *Environ. Mutagen.* 7: 87-100.

EcoReference No.: 79177

Chemical of Concern: ACL,Cr,HCCP,NP; Habitat: T; Effect Codes: MOR,REP; Code: NO CONTROL (ACL,Cr,HCCP,NP), TARGET (HCCP).

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Other

Target: Toxicity of Chemical on Intended Pest

Abbasi, P. A., Lazarovits, G., and Jabaji-Hare, S. (Detection of High Concentrations of Organic Acids in Fish Emulsion and Their Role in Pathogen or Disease Suppression. *Phytopathology*. 2009, mar; 99(3):274-81. [Phytopathology]: *Phytopathology*.

Chemical of Concern: PPA; Habitat: T; Code: TARGET (PPA).

Ahn, B., Paulitz, T., Jabaji-Hare, S., and Watson, A. (2005). Enhancement of Colletotrichum coccodes Virulence by Inhibitors of Plant Defense Mechanisms. *Biocontrol Sci. Technol.* 15: 299-308.

EcoReference No.: 151774

Chemical of Concern: OXAC; Habitat: T; Effect Codes: POP,REP; Code: TARGET (OXAC).

Al-Hilli, A. L. and Smith, J. E. (1979). Influence of Propionic Acid on Growth and Aflatoxin Production by Aspergillus flavus. *Fems Microbiol. Lett.* 6: 367-370.

Chemical of Concern: PPA; Habitat: T; Code: TARGET (PPA).

Alam, S., Shah, H. U., and Magan, N. (Effect of Calcium Propionate and Water Activity on Growth and Aflatoxins Production by Aspergillus Flavus. *J food sci.* 2010, mar; 75(2):m61-4. [Journal of food science]: *J Food Sci.*

Chemical of Concern: CaPR, PPA; Habitat: T; Code : TARGET (PPA).

Cassens, D. L. and Eslyn, W. E. (1981). Fungicides to Prevent Sapstain and Mold on Hardwood Lumber. *For. Prod. J.* 31: 39-42.

EcoReference No.: 77971

Chemical of Concern: BMY,BOR,Captan,DDAC,KSB,NaPCP,PPA; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT (BOR,DDAC,KSB,NaPCP), TARGET (BMY,Captan,DDAC,NaPCP,PPA).

Singh, P. P., Bedi, P. S., and Singh, D. (1987). Use of Organic Acids for Protecting Moist Wheat Grains from Microbial Colonization During Storage. *J. Stored Prod. Res.* 23: 169-172.

EcoReference No.: 101347

Chemical of Concern: PPA; Habitat: T; Effect Codes: BCM,POP; Code: TARGET (PPA).

Van Der Wolf, J. M., Birnbaum, Y., Van Der Zouwen, P. S., and Groot, S. P. C. (2008). Disinfection of Vegetable Seed by Treatment With Essential Oils, Organic Acids and Plant Extracts. *Seed Science and Technology*, 36 (1) pp. 76-88, 2008.

Chemical of Concern: PPA; Habitat: T; Code: TARGET (PPA).

Xu, Y. (2008). Antifungal activity of flaxseed and flaxseed extracts. *Ph.D. United States -- North Dakota North Dakota State University*.

Chemical of Concern: PPA; Habitat: T; Code: TARGET (PPA).

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Open Literature Internet

- Chen, Y., Chen, P., Wang, H., Wang, T., Chen, L. Wang, X. Sun, B., Liu, D. Xu, D., An, J., Wen, F. (2010). Simvastatin attenuates acrolein-induced mucin production in rats: Involvement of the Ras/extracellular signal-regulated kinase pathway. *International Immunopharmacology*, 10 (2010) 685-693
- E.I. Du Pont de Nemours and Co. (1984). Initial Submission: Approximate Lethal Dose (ALD) of MPD-5683 in rats with cover letter dated 080192. 17 pp. NTIS: OTS0546444. 29 Feb 1984