

Appendix A: Bibliography of Submitted Fate Studies

| MRID | Citation Reference |
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| 161-1 | Hydrolysis |
| 11404 | Balu, K.; Hofberg, A. (1972) Photolysis of GS-13005 in Aqueous Solution under Natural and Artificial Sunlight Conditions: Report No.: GAAC-72094. (Unpublished study received Mar 29, 1974 under 2F1229; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:094096-B) |
| 11832 | Delley, R. (1972) Hydrolysis of Supracide (GS-13005) in Aqueous Solutions: Report No.: GAAC-72027. Includes method dated Apr 10, 1972. (Translation; unpublished study received May 12, 1972 under 100-501; prepared by J.R. Geigy, S.A., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:120412-N) |
| 158525 | Burkhard, N. (1978) Hydrolysis of Methidathion (Supracide, Ultracide) under Laboratory Conditions: Project Report 1/78. Unpublished study prepared by Ciba-Geigy Ltd., Agrochemicals Div. 20 p. |
| 42037701 | Saxena, A. (1989) Hydrolysis of Carbon 14-Methidathion in Buffered Aqueous Solutions: Final Report: Lab Project Number: HLA 6117-134. Unpublished study prepared by Hazleton Laboratories America, Inc. 150 p. |
| 44554501 | Burton, S. (1998) Hydrolysis of (carbon 14) Methidathion in Aqueous Solutions Buffered at pH 5, 7, and 9: Lab Project Number: 8574-91: 6117-383. Unpublished study prepared by Stillmeadow Inc. 107 p. |
| 161-2 | Photodegradation-water |
| 158526 | Suter, P. (1983) Photolysis of Methidathion (Supracid, Ultracid) in Aqueous Medium under Laboratory Conditions: Project Report 38/83. Unpublished study prepared by Ciba-Geigy Ltd., Agricultural Div. 20 p. |
| 42081709 | Saxena, A. (1989) Artificial Sunlight Photodegradation of Carbon 14-Methidathion in a Buffered Aqueous Solution: Lab Project Number: 6117-137. Unpublished study prepared by Hazleton Laboratory America, Inc. 96 p. |
| 44784301 | Waggoner, T. (1999) Artificial Sunlight Photodegradation of (carbon-14) Methidathion in a Buffered Aqueous Solution: Lab Project Number: GWN-06. Unpublished study prepared by Gowan Company. 7 p. |

161-3 Photodegradation-soil

- 11830 Tracey, B.; Banzer, J. (1972) Photolysis of GS-13005 on Glass under Natural and Artificial Sunlight Conditions: Report No.: GAAC- 72028. (Unpublished study received May 12, 1972 under 100-501; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:120412-L)
- 40079813 Puhl, J. (1985) Methidathion: Soil Photodegradation of Methidathion by Artificial Sunlight: Laboratory Study No. 6015-155. Unpublished study prepared by Hazleton Laboratories America, Inc. 62 p.
- 40079814 Puhl, R. (1985) Methidathion: Soil Photodegradation of Methidathion by Artificial Sunlight: Laboratory Study No. 6015-156. Unpublished study prepared by Hazleton Laboratories America, Inc. 60 p.
- 42081710 Das, Y. (1990) Photodegradation of ¹⁴C-Methidathion on Soil Under Artificial Sunlight: Lab Project Number: 90081: 137-90. Unpublished study prepared by Innovative Scientific Services, Inc. 110 p.
- 44784302 Waggoner, T. (1999) Photodegradation of (carbon-14) Methidathion on Soil Under Artificial Sunlight: Lab Project Number: GWN99-05. Unpublished study prepared by Gowan Company. 7 p.

161-4 Photodegradation-air

- 42215101 Kieatiwong, S. (1992) Photodegradation of ¹⁴C-Methidathion in the Vapor Phase by Natural Sunlight: Lab Project Number: 331W. Unpublished study prepared by PTRL-West, Inc. 93 p.

162-1 Aerobic soil metabolism

- 11317 Dupuis, G.; Esser, H.O.; Mucke, W. (1969) The Metabolic Behavior of the Insecticide GS13005: GAAC-69023. (Unpublished study received May 5, 1970 under 0F0892; submitted by Geigy Chemical Corp., Ardsley, N.Y.; CDL:091538-B)
- 11327 Getzin, L.W. (1967) Degradation of GS 13005 in Soils. (Unpublished study received May 5, 1970 under 0F0892; submitted by Geigy Chemical Corp., Ardsley, N.Y.; CDL:091538-U)
- 52091 Getzin, L.W.; Rosefield, I. (1968) Organophosphorus insecticide degradation by heat-labile substances in soil. Journal of Agricultural and Food Chemistry 16(4):598-601. (Also~In~unpublished submission received Dec 4, 1974 under 5F1531; submitted by American Cyanamid Co., Princeton, N.J.; CDL:094151-M)
- 158527 Keller, A. (1979) Degradation of Methidathion (Supracide, Ultra-cide) in Soil under Aerobic, Aerobic/Anaerobic and Sterile/Aerobic Conditions: Project Report 19/79. Unpublished study prepared by Ciba-Geigy Ltd., Agrochemicals Div. 29 p.

- 42262501 Obrist, J. (1991) Aerobic, Aerobic/Anaerobic and Sterile Soil Metabolism of ¹⁴C-Methidathion: Amended Final Report: Lab Project Number: HLA 6117-135: 197-90. Unpublished study prepared by Hazleton Labs., America, Inc. 181 p.
- 42799601 Schabacker, D. (1993) Additional Information Pertaining to the Ciba Response to the August, 1992 USEPA Review of Supracide (Methidathion) Environmental Fate Studies: Lab Project Number: ABR-93035: GS-13005. Unpublished study prepared by Ciba-Geigy Corp. 99 p.
- 44545101 Gohdes, M. (1998) Aerobic Soil Metabolism of (carbon 14)-Methidathion on California Sandy Loam: Lab Project Number: COVANCE 6117-367. Unpublished study prepared by Covance Laboratories, Inc. 223 p.

162-2 Anaerobic soil metabolism

- 158527 Keller, A. (1979) Degradation of Methidathion (Supracide, Ultra- cide) in Soil under Aerobic, Aerobic/Anaerobic and Sterile/Aero- bic Conditions: Project Report 19/79. Unpublished study pre- pared by Ciba-Geigy Ltd., Agrochemicals Div. 29 p.
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- 42799601 Schabacker, D. (1993) Additional Information Pertaining to the Ciba Response to the August, 1992 USEPA Review of Supracide (Methidathion) Environmental Fate Studies: Lab Project Number: ABR-93035: GS-13005. Unpublished study prepared by Ciba-Geigy Corp. 99 p.

163-1 Leach/adsorp/desorption

- 11403 Dupre, G.D. (1974) Leaching Characteristics of ¹⁴C-GS-13005 and Its Degradation Products Following Aging in Sandy Loam Soil under Greenhouse Conditions: Report No.: 73021-7. (Unpublished study received on unknown date under 2F1229; prepared by Bio/dynamics, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL: 094096-A)
- 11830 Tracey, B.; Banzer, J. (1972) Photolysis of GS-13005 on Glass under Natural and Artificial Sunlight Conditions: Report No.: GAAC- 72028. (Unpublished study received May 12, 1972 under 100-501; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:120412-L)
- 11833 Guth, J.A. (1971) Supracide^(R)I: Leaching Behavior of GS-13005 in Various Soil Types. (Unpublished study received May 12, 1972 under 100-501; submitted by Ciba-Geigy Corp.; Greensboro, N.C.; CDL:120412-O)
- 38374 Guth, J.A. (1972) Adsorption and Leaching Characteristics of Pes- ticides in Soil. A translation of: Adsorptions- und Einwasch- verhalten von

- Pflanzenschutzmitteln in Boeden. (Unpublished study including German text, received Jul 19, 1978 under 201- 403; prepared by Ciba-Geigy, AG, submitted by Shell Chemical Co., Washington, D.C.; CDL:234472-S)
- 118040 Burkhard, N.; Guth, J. (1981) Rate of volatilisation of pesticides from soil surfaces: Comparison of calculated results with those determined in a laboratory model system. Pestic. Sci. 12(1): 37-44. (Also In unpublished submission received Nov 5, 1982 under 4581-351; submitted by Agchem Div., Pennwalt Corp., Philadelphia, PA; CDL:248818-X)
- 158528 Hazleton Laboratories America, Inc. (1985) Leaching Characteristics of Parent Methidathion: Study No. 6015-154. Unpublished study. 22 p.
- 158529 Burkhard, N. (1980) Adsorption and Desorption of Methidathion (Supracide, Ultracide) in Various Soil Types: Project Report 08/80. Unpublished study prepared by Ciba-Geigy Ltd., Agricultural Div. 11 p.
- 42215102 Shepler, K. (1992) Aged Leaching of ¹⁴C-Methidathion in Four Soil Types: Lab Project Number: 332W. Unpublished study prepared by PTRL-West, Inc. 86 p.

163-2 Volatility - lab

- 158530 Burkhard, N. (1978) Volatilization of Methidathion (Supracide, Ultracide) from Soil under Laboratory Conditions: Project Report 06/78. Unpublished study prepared by Ciba-Geigy Ltd., Agrochemicals Div. 19 p.
- 158531 Lewis, D.; Rhoads, W. (1986) Determination of the Volatility of Methidathion from Supracide 2E Treated Soil: Study No. 1028. Unpublished study prepared by Colorado Analytical Research and Development Corp. 34 p.
- 42098801 Kesterson, A. (1991) Laboratory Volatility of ¹⁴C-Methidathion: Lab Project Number: 556. Unpublished study prepared by PTRL East, Inc. 101 p.

164-1 Terrestrial field dissipation

- 40094103 Bade, T. (1987) Field Dissipation of Methidathion and GS-13007 Residues in Bare Ground Soil following Application of Supracide 2E (Field Soil Dissipation): Laboratory/Study No. ABR-86125. Unpublished study prepared by Ciba-Geigy Corp. 47 p.
- 41924401 Landis International, Inc. (1991) Supracide 2E: Field Dissipation Terrestrial Study on Citrus in California: Lab Project Number: 1641-88-71-13-01A-03: 3031-88-0048-CR-0001: Final Report: Unpublished study prepared by Ricerca, Inc. 308 p.
- 41924402 Landis International, Inc. (1991) Supracide 2E Field Dissipation: Terrestrial Study on Bareground in California: Lab Project Number: 1641-88-71-13-21E-04: 3030-88-0047-CR-001: Final Report: Unpublished study

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- 41924403 Landis International, Inc. (1991) Supracide 2E: Field Dissipation Terrestrial Study on Alfalfa in Virginia: Lab Project Number: 1641-88-71-13-05B-01: 3029-88-0046-CR-0001: Final Report: Unpublished study prepared by Ricerca, Inc. and J & S Plant Consultants, Inc. 333 p.
- 42048401 Landis International, Inc. (1991) Supracide 2E Field Dissipation Terrestrial Study on Bareground in Virginia: Lab Project Number: 1641-88-71-13-21E-02. Unpublished study prepared by Ricerca, Inc., and J & S Plant Consultants, Inc. 322 p.
- 45039901 Honeycutt, R. (1986) Field Soil Dissipation of Supracide 2E(Methidathion) Applied to (I) Alfalfa in Fresno County, California, and (II) Bareground Plots in Vero Beach, Florida: Lab Project Number: VW0002: EIR-86029: AG-105. Unpublished study prepared by Ciba-Geigy Corporation. 104 p.

165-0 Accumulation Studies -- General

- 11405 Sleight, B.H., III (1974) Kinetics of 14C-GS-13005 in a Model Aquatic Ecosystem. (Unpublished study received Mar 29, 1974 under 2F1229; prepared by EG&G, Bionomics, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C., CDL:094096-C)