**APPENDIX 2-4. Simazine Studies Submitted to US EPA [from Office of Pesticide Programs Information Network (OPPIN)]**

**61-1       Chemical Identity**

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| **MRID** | **Citation Reference** |
|  |  |
| 25439 | Geigy Chemical Corporation (19??) Simazine. (Unpublished study received Oct 27, 1970 under 10826-1; submitted by Laing Chemical Co., Inc., Sacramento, Calif.; CDL:110884-A) |

**61-2       Description of Beginning Materials and Manufacturing Proces**

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| **MRID** | **Citation Reference** |
|  |  |
| 37742 | Gysin, H. (1958) Simazine, Chemistry, Biological Activity, and Mode of Action. (Translation from German; unpublished study received Mar 19, 1958 under unknown admin. no.; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:222507-A) |

**63-0       Reports of Multiple phys/chem Characteristics**

|  |  |
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| **MRID** | **Citation Reference** |
|  |  |
| 18222 | E.I. du Pont de Nemours & Company (1961) Data Supporting Experimental Use of Lorox Weed Killer. (Unpublished study received Aug 24, 1961 under 352-270; CDL:002863-A) |
| 24029 | Ciba-Geigy Corporation (1956) Simazin: Herbicide Technical Bulletin No. 56-2. Rev. (Unpublished study received Mar 25, 1957 under unknown admin. no.; CDL:222509-B) |
| 25439 | Geigy Chemical Corporation (19??) Simazine. (Unpublished study received Oct 27, 1970 under 10826-1; submitted by Laing Chemical Co., Inc., Sacramento, Calif.; CDL:110884-A) |
| 26293 | J.R. Geigy, S.A. (1965) Simazin. (Unpublished study received Jul 6, 1965 under 100-437; submitted by Ciba-Geigy Corp., Greens- boro, N.C.; CDL:000231-H) |
| 27156 | Geigy Chemical Corporation (1964) Simazine. (Unpublished study re- ceived on unknown date under unknown admin. no.; CDL:128063-K) |
| 29640 | Geigy Chemical Corporation (19??) Simazine and Related Compounds. Ardsley, N.Y.: Geigy. (Herbicide technical bulletin no. 58-2; also~In~unpublished submission received Nov 20, 1959 under 264- 119; submitted by Union Carbide Agricultural Products Co., Ambler, Pa.; CDL:001891-C) |
| 30142 | Bailey, G.W.; White, J.L. (19??) Herbicides: A compilation of their physical, chemical, and biological properties. Residue Reviews 10(? ) ? - ? . (Incomplete; 4 pages; also in unpublished submission received Jul 19, 1978 under 201-403; submitted by Shell Chemical Co., Washington, D.C.; CDL:234473-E) |
| 33316 | Geigy Chemical Corporation (19??) Simazine Herbicides for Selective and Non-Selective Uses. Ardsley, N.Y.: Geigy. (Simazine technical bulletin no. 62-1; also In unpublished submission received Feb 8, 1963 under 7401-192; submitted by Voluntary Purchasing Group, Inc., Bonham, Tex.; CDL:009207-A) |
| 37836 | Daiber, C.; Loeffler, G. (1963) Pyramin^(R)I a new selective herbicide in sugar beet. BASF Mitteilungen fur den Landbau: Pflanzenschutz ? (?/Apr):1-11. (Also in unpublished submission received Dec 15, 1963 under 264-195; submitted by Union Carbide Agricultural Products Co., Ambler, Pa.; CDL:002159-A) |
| 41586 | Swift & Company (1962) Epoxol Acid Scavengers for the Pesticide and Insecticide Industry. Chicago, Ill.: Swift. (Technical bulle- tin no. 7; also~In~unpublished submission received Jan 18, 1967 under 1021-511; submitted by McLaughlin, Gormley, King Co., Min- neapolis, Minn.; CDL:005215-B) |
| 44469 | Warren, R., Comp. (1962) Oregon Weed Control Handbook. Corvallis, Oreg.: Oregon State Univ., Cooperative Extension Service. (Available from: Oregon State Univ., Co-op Book Store, Corval- lis, Oreg; also in unpublished submission received Apr 1, 1962 under 366-14; submitted by Tidewater Oil Co., San Francisco, Calif.; CDL:003194-A) |

**71-1       Avian Single Dose Oral Toxicity**

|  |  |
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| **MRID** | **Citation Reference** |
|  |  |
| 72798 | Fink, R. (1976) Final Report: Acute Oral LD50--Mallard Duck: Proj- ect No. 108-121. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Wildlife International, Ltd., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-AN) |

**71-2       Avian Dietary Toxicity**

|  |  |
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| **MRID** | **Citation Reference** |
|  |  |
| 16537 | Beavers, J.B.; Fink, R. (1978) Final Report: Eight-Day Dietary LC50--Mallard Duck: Project No. 107-177. (Unpublished study re- ceived Mar 3, 1978 under 876-EX-33; prepared by Wildlife Inter- national, Ltd. in cooperation with Washington College, submitted by Velsicol Chemical Corp., Chicago, Ill.; CDL:236667-A) |
| 23318 | Woodard Research Corporation (1965) Simazine: Safety Evaluation on Fish and Wildlife: (Bobwhite Quail, Mallard Ducks, Rainbow Trout, Sunfish and Goldfish). (Unpublished study received Jul 7, 1967 under unknown admin. no.; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:122297-C) |
| 23319 | Woodard Research Corporation (19??) Simazine: Subacute Toxicity in Mallard Ducks. (Unpublished study received Jul 7, 1967 under unknown admin. no.; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:122297-D) |
| 24048 | Woodard Research Corporation (1949) Simazine: Subacute Toxicity in Mallard Ducks. (Unpublished study received Apr 19, 1960 under unknown admin. no.; submitted by Amchem Products, Inc., Ambler, Pa.; CDL:110270-C) |
| 25436 | Beliles, R.P.; Scott, W.; Knott, W. (1965) Simazine Safety Evalua- tion on Fish and Wildlife: Subacute Toxicity in Bobwhite Quail. (Unpublished study received Mar 12, 1969 under 0F0996; prepared by Woodard Research Corp., submitted by Geigy Chemical Corp., New York, N.Y.; CDL:091713-H) |
| 26288 | Woodard Research Corporation (1965) Simazine: Safety Evaluation on Fish and Wildlife (Bobwhite Quail, Mallard Ducks, Rainbow Trout, Sunfish and Goldfish). (Unpublished study received May 16, 1973 under 1769-234; prepared in cooperation with Geigy Chemical Co., submitted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL:221976-H) |
| 43671 | Beliles, R.P.; Scott, W.; Knott, W. (1965) Simazine: Safety Evalua- tion on Fish and Wildlife (Bobwhite Quail, Mallard Ducks, Rain- bow Trout, Sunfish and Goldfish). (Unpublished study received Apr 27, 1977 under 100-541; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-AE) |
| 43672 | Beliles, R.P.; Scott, W.; Knott, W.; (1965) Simazine: Subacute Toxicity in Mallard Ducks. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro N.C.; CDL:229607-AF) |
| 43675 | Beliles, R.P.; Scott, W.; Knott, W. (1965) Simazine: Summary of Safety Evaluation on Fish and Wildlife. Summary of studies 229607-AE through 229607-AI. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Woodard Research Corp., sub- mitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-AJ) |
| 58746 | Heath, R.G.; Spann, J.W.; Hill, E.F.; et al. (1972) Comparative Dietary Toxicities of Pesticides to Birds. By U.S. Fish and Wildlife Service, Patuxent Wildlife Research Center. Washing- ton, D.C.: USFWS. (Special scientific report--wildlife no. 152; submitter report no. 33423; available from: U.S. Government Printing Office: 1972 0--460--531, published study; CDL: 224691-V) |
| 106965 | Anheuser-Busch Inc. (1968) Experiments Conducted to Determine the Toxicity of Certain Chemicals and Chemical Combinations to Water fowl (Mallard Ducks, ...) and Fish (Common Goldfish, ... and Mosquito Fish Ganbusia, Gambusia affinis. (Unpublished study received Dec 3, 1976 under 524-105; submitted by Monsanto Co., Washington, DC; CDL:232290-S) |
| 139393 | Gough, B.; Shellenberger, T. (1972) Letter sent to J. Forsythe dated Jan 31, 1972: Acute and subacute toxicity feeding studies of simazine with young adult bobwhite quail. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Gulf South Re- search Institute, submitted by Ciba-Geigy Corp., Greensboro, NC; CDL:229607-AO) |

**71-4       Avian Reproduction**

|  |  |
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| **MRID** | **Citation Reference** |
|  |  |
| 43678 | Fink, R. (1974) Final Report: One-Generation Reproduction Study-- Mallard Ducks: Project No. 108-101. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Truslow Farms, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-AP) |
| 163134 | Beavers, J. (1986) Simazine Technical: A One-generation Reproduc- tion Study with the Bobwhite (Colinus virginianus): Final Rept: Project No.: 108-245. Unpublished study prepared by Wildlife International Ltd. 124 p. |
| 43576901 | Beavers, J.; Foster, J.; Mitchell, L.; et al. (1994) Simazine Technical: A Reproduction Study with the Mallard: Lab Project Number: 108-356. Unpublished study prepared by Wildlife International Ltd. 184 p. |

**72-1       Acute Toxicity to Freshwater Fish**

|  |  |
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| **MRID** | **Citation Reference** |
|  |  |
| 23321 | Woodard Research Corporation (19??) Simazine: Acute Toxicity in Sunfish. (Unpublished study received Jul 7, 1967 under unknown admin. no.; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:122297-F) |
| 23322 | Woodard Research Corporation (19??) Simazine: Acute Toxicity in Goldfish. (Unpublished study received Jul 7, 1967 under unknown admin. no.; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:122297-G) |
| 25438 | Beliles, R.P.; Scott, W.; Knott, W. (1965) Simazine: Acute Toxicity in Sunfish. (Unpublished study received Mar 12, 1969 under 0F0996; prepared by Woodard Research Corp., submitted by Geigy Chemical Corp., New York, N.Y.; CDL:091713-K) |
| 31150 | Sleight, B.H., III (1971) Acute Toxicity of Some Ciba-Geigy Experimental Chemicals to Fathead Minnows (Pimephales promelas). (Unpublished study received Jan 16, 1974 under 1F1154; prepared by Bionomics, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:092100-W) |
| 33308 | Gast, A. (1963) Toxicity Experiments on Trout for Breeding. (Unpublished study including pp. 1-2 of appended German translation entitled: Toxizitaetsversuche an Brutforellen, received May 16, 1973 under 1769-234; submitted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL:221976-E) |
| 33309 | Sleight, B.H., III (1971) Bioassay Report: Acute Toxicity of Some Ciba-Geigy Experimental Chemicals to Fathead Minnows (Pimephales promelas). (Unpublished study received May 16, 1973 under 1769-234; prepared by Bionomics, Inc., submitted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL:221976-N) |
| 43665 | Macek, K.J.; Sleight, B.H., III (1971) Bioassay Report: Acute Toxicity of Some Ciba-Geigy Experimental Chemicals to Fathead Minnows (Pimephales promelas). (Unpublished study received Apr 27, 1977 under 100-541; prepared by Bionomics, Inc., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-S) |
| 43666 | Kuc, W.J. (1976) Acute Toxicity of Simazine Technical, Batch # FL-750336 to the Rainbow Trout, Salmo gairdneri Richardson: AES Project # 7635-500. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Union Carbide Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-W) |
| 43674 | Beliles, R.P.; Scott, W.; Knott, W. (1965) Simazine: Acute Toxicity in Sunfish. (Unpublished study received Apr 27, 1977 under 100- 541; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-AH) |
| 69192 | Bond, C.E.; Lewis, R.H.; Fryer, J.L. (1960) Toxicity of various herbicidal materials to fishes. Pages 96-101,~In~Transactions of the 1959 Seminar of Biological Problems in Water Pollution. By Robert A. Taft Engineering Center. Cincinnati, Ohio: U.S. Public Health Service. (Technical report W60-3; published study; CDL:230691-H) |
| 92511 | Hughes, J.S. (1970) Letter sent to Aithel McMahon dated Feb 10, 1970 ?Toxicity of Princep 80W and Ametryne to bluegill and channel catfish|: 71201. (Louisiana, Wild Life and Fisheries Commission; unpublished study, including letter dated Feb 16, 1970 from J. Becton to Stan Pruss; CDL:006629-K) |
| 94180 | Hughes, J.S. (1970) Letter sent to Athel McMahon dated Feb 10, 1970 (Toxicity of Princep 80 W and Ametryne): 71201. (Louisiana, Wild Life and Fisheries Commission; unpublished study, including letter dated Feb 16, 1970 from J. Becton to Stan Pruss; CDL:220070-A) |
| 106508 | Hungerbuehler, W. (1956) Effect on Cyprinus specularis (Mirror Carp): ?Simazine|: Exper. No. 24. (Unpublished study received on unknown date under 3G1394; submitted by Ciba-Geigy Corp., Ardsley, NY; CDL:093722-G) |
| 106509 | Hungerbuehler, W. (1956) Effect on Salmo irideus (Rainbow Trout): ?Simazine|: Exper. No. 23. (Unpublished study received on un- known date under 3G1394; submitted by Ciba-Geigy Corp., Ardsley, NY; CDL:093722-H) |
| 106510 | Macek, K.; Sleight, B. (1971) Acute Toxicity of Some Ciba-Geigy Experimental Chemicals to Fathead Minnows (Pimephales promelas). (Unpublished study received on unknown date under 3G1394; pre- pared by Bionomics, Inc., submitted by Ciba-Geigy Corp., Ardsley, NY; CDL:093722-L) |
| 134846 | Calmbacher, C. (1978) The Acute Toxicity of Banvel 4 + Aatrex 80WP + Princip WP + Paraquat 2EC to the Bluegill Sunfish ...: UCES Proj. No. 11506-03-38. (Unpublished study received 1978 under 876-EX-33; prepared by Union Carbide Corp., submitted by Velsicol Chemical Corp., Chicago, IL; CDL:234452-B) |
| 140031 | Funderburk, H.H. (1963) Distribution of C14 Labeled Herbicides in Bluegills and Shellcrackers. Annual rept. 1963. (Unpublished study received Apr 19, 1968 under 264-EX-30G; prepared by Auburn Univ., Dept. of Botany and Plant Pathology, submitted by Union Carbide Agricultural Products Co., Inc., Ambler, Pa.; CDL: 123220-D) |
| 163135 | Thompson, C.; Forbis, A. (1983) Acute Toxicity of Aquazine (Simazine) to Rainbow Trout (Salmo gairdneri): Static Bioassay Rept. #30452. Unpublished study prepared by Analytical Bio-Chemistry Laboratories, Inc. 14 p. |
| 163136 | Kuc, W. (1976) Acute Toxicity of Aquazine 80W ... to the Rainbow Trout, Salmo gairdneri Richardson at 7.0 [Degree] C: AES Proj. #7637-500. Unpublished study prepared by Aquatic Environmental Sciences. 10 p. |
| 163137 | Kuc, W. (1976) Acute Toxicity of Aquazine 80W ... to the Rainbow Trout, Salmo gairdneri Richardson: AES Proj. 7636-500. Unpub- lished study prepared by Aquatic Environmental Sciences. 10 p. |
| 163138 | Kuc, W. (1976) Acute Toxicity of Aquazine 80W ... to the Rainbow Trout, Salmo gairdneri Richardson at 17.0 [Degrees] C.: AES Proj. # 7638-500. Unpublished study prepared by Aquatic Envi- ronmental Sciences. 10 p. |
| 40245701 | Bowman, J. (1987) Acute Toxicity of Aquazine 80W to Rainbow Trout (Salmo gairdneri) in a Static Renewal System: Final Report: Lab Study No. 35578. Unpublished study prepared by Analytical Bio- Chemistry Labs, Inc. 27 p. |
| 45088214 | Dad, N.; Tripathi, P. (1981) Acute Toxicity of Herbicides to Freshwater Fish and Midge Larvae, Chironomus tentans. pp.435- 437. |
| 45088217 | Singh, S.; Yadav, N. (1978) Toxicity of Some Herbicides to Major Carp Fingerlings. Indian J. Ecol. 5(2):141-147. |
| 45088218 | Sarkar, S. (1997) Toxicity of Simazine, Diammonium Phosphate and Rockphosphate to Fish, Snail and Worm at Various Water Temperatures. Geobios 24:142-145. |
| 45088219 | Sarkar, S. (1994) Effects of the Herbicide Simazine on Fish and Aquatic Ecosystem. Geobios 32:227-232. |
| 45088220 | Rao, K.; Dad, N. (1979) Studies of Herbicide Toxicity in Some Freshwater Fishes and Ectoprocta. Journal of Fish Biology 14:517-522. |
| 45088222 | Patanaik, S.; Rout, M. (1986) Toxicity of Some Herbicides to Fishes. J. Inland Fish Soc. India 18(2):48-51. |
| 45202919 | Walker, C. (1964) Simazine and other s-triazine compounds as aquatic herbicides in fish habitats. Weeds 12(2):134-139. |

**72-2       Acute Toxicity to Freshwater Invertebrates**

|  |  |
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| **MRID** | **Citation Reference** |
|  |  |
| 45088214 | Dad, N.; Tripathi, P. (1981) Acute Toxicity of Herbicides to Freshwater Fish and Midge Larvae, Chironomus tentans. pp.435- 437. |
| 45088218 | Sarkar, S. (1997) Toxicity of Simazine, Diammonium Phosphate and Rockphosphate to Fish, Snail and Worm at Various Water Temperatures. Geobios 24:142-145. |
| 45088220 | Rao, K.; Dad, N. (1979) Studies of Herbicide Toxicity in Some Freshwater Fishes and Ectoprocta. Journal of Fish Biology 14:517-522. |
| 45088221 | Sanders, H. (1970) Toxicities of Some Herbicides to Six Species of Freshwater Crustaceans. Journal of the Water Pollution Control Federation 42:1544-1550. |

**72-3       Acute Toxicity to Estuarine/Marine Organisms**

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| **MRID** | **Citation Reference** |
|  |  |
| 43677 | Wright, L.S., Jr.; Beliles, R.P. (1966) Simazine: The Effect on Shell Growth in Oysters. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Woodard Research Corp., submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-AM) |
| 42503702 | Murphy, D. (1992) Simazine: A 96-hour Flow-through Acute Toxicity Test with the Sheepshead Minnow (Cyprinidon variegatus): Lab Project Number: 108A-143. Unpublished study prepared by Wildlife Int'l Ltd. 45 p. |
| 42503703 | Murphy, D. (1992) Simazine: A 96-hour Shell Deposition Test with the Eastern Oyster (Crassostrea virginica): Lab Project Number: 108A-142. Unpublished study prepared by Wildlife Int'l Ltd. 42 p. |

**72-4       Fish Early Life Stage/Aquatic Invertebrate Life Cycle Study**

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| **MRID** | **Citation Reference** |
|  |  |
| 7435 | Monsanto Company (1968) Experiments Conducted to Determine the Tox- icity of Certain Chemicals and Chemical Combinations to Water- fowl (Mallard Ducks,~Anas platyrhynchos platyrhynchos?~) and Fish (Common Goldfish,~Carassius auratus?~, Var. Comet, and Mosquito Fish Gambusia,~Gambusia affinis?~. (Unpublished study received Dec 9, 1975 under 524-105; CDL:236611-X) |
| 15648 | Vilkas, A.G. (1977) The Acute Toxicity of Banvel 4 + AAtrex 80 WP + Princip WP + Paraquat 2EC to the Rainbow Trout, Salmo gairdneri Richardson: UCES Proj. # 11506-03-39. (Unpublished study received Mar 3, 1978 under 876-EX-33; prepared by Union Carbide Corp., submitted by Velsicol Chemical Corp., Chicago, Ill.; CDL:236667-R) |
| 23254 | Cook, J.D.; Smith, B.W. (1976) Sensitivity of Striped Bass Fingerlings to Simazine. (Unpublished study including letter dated Jan 11, 1978 from J.P. Hawke to H.A. Collins, received Feb 17, 1978 under 100-437; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:232888-A) |
| 23255 | Ciba-Geigy Corporation (19??) A Comparison of the Tests of Certain Chemicals and Antibiotics to Striped Bass Fry and Fingerlings in Fresh Water and in Water of 10 PPL Salinity. (Unpublished study received Feb 17, 1978 under 100-437; CDL:232888-B) |
| 23320 | Woodard Research Corporation (1949?) Simazine: Subacute Toxicity in Rainbow Trout. (Unpublished study received Jul 7, 1967 under unknown admin. no.; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:122297-E) |
| 23935 | Lawrence, J.M.; Beasley, P.G.; Jones, R.B. (1963) Annual Report for Period January 1 through December 31, 1963 on Chemical Control of Weeds in Ponds: Hatch Project No. Alabama 427, and Herbicides on Submersed Aquatic Weeds and Determination of Their Residues Hatch Project No. 150 (CRF-1). (Unpublished study received Dec 31, 1963 under unknown admin. no.; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:119490-A) |
| 23948 | Lembi, C.; Ross. R.H.; Blinn, D.; et al. (1975) Simazine for Con- trol of Algae and Submerged Weeds: Additional Information. (Un- published study received Aug 28, 1975 under 100-437; prepared in cooperation with Purdue Univ., Dept. of Botany and Plant Pathol- ogy and others, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:223304-A) |
| 23999 | Walker, C.R. (1964) Simazine and other s Triazine compounds as aquatic herbicides in fish habitats. Weeds 12(2):134-139. (Also in unpublished submission received Mar 8, 1966 under 100-437; submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:100918-S) |
| 24047 | WARF Institute, Incorporated (1971) Report. (Unpublished study re- ceived Jul 21, 1971 under 7364-11; submitted by Great Lakes Bio- chemical Co., Inc., Milwaukee, Wis.; CDL:008034-C) |
| 24049 | Woodard Research Corporation (1949) Simazine: Acute Toxicity in Sunfish. (Unpublished study received Apr 19, 1960 under unknown admin. no.; submitted by Amchem Products, Inc., Ambler, Pa.; CDL:110270-E) |
| 24050 | Woodard Research Corporation (1949) Simazine: Acute Toxicity in Goldfish. (Unpublished study received Apr 19, 1960 under un- known admin. no.; submitted by Amchem Products, Inc., Ambler, Pa.; CDL:110270-F) |
| 24064 | Michaelson, J.B. (1970) Report: ?Sta-Clear|. (Unpublished study received Oct 20, 1970 under 9712-2; prepared by Applied Biologi- cal Sciences laboratory, submitted by Weco Products, Inc., Long Beach, Calif.; CDL:004689-A) |
| 24392 | Jones, R.O. (19??) Tolerance of the fry of common warm-water fishes to some chemicals employed in fish culture. ?Without title| ? (? ):436-445. (Also~In~unpublished submission received Jul 19, 1978 under 201-403; submitted by Shell Chemical Co., Wash- ington, D.C.; CDL:234468-E) |
| 25435 | Swabey, Y.H.; Schenk, C.F. (1963) Report on Algicides ?sic| and Aquatic Herbicides. (pp. 8-13 only; unpublished study received Mar 12, 1969 under 0F0996; prepared by Ontario, Water Resources Commission, Laboratory Div., Biology Branch, submitted by Geigy Chemical Corp., New York, N.Y.; CDL:091713-G) |
| 25437 | Beliles, R.P.; Scott, W.; Knott, W. (1965) Simazine: Acute Toxicity in Rainbow Trout. (Unpublished study received Mar 12, 1969 un- der 0F0996; prepared by Woodard Research Corp., submitted by Geigy Chemical Corp., New York, N.Y.; CDL:091713-J) |
| 26299 | Beliles, R.P.; Scott, W.; Knott, W. (1965) Simazine: Acute Toxicity in Goldfish. (Unpublished study received Mar 12, 1969 under 0F0996; prepared by Woodard Research Corp., submitted by Geigy Chemical Corp, New York, N.Y.; CDL:091713-L) |
| 27843 | Hungerbuehler, W. (1956) Effect on~Salmo irideus~(Rainbow Trout). (Unpublished study received Jun 5, 1975 under 1769-234; submit- ted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL: 220070-M) |
| 27848 | Hungerbuehler, W. (1956) Effect on~Salmo\_irideus~(Rainbow Trout): Experiment No. 23. (Unpublished study received May 16, 1973 under 1769-234; submitted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL:221976-Z) |
| 28002 | Wellborn, T.L.; Jr. (1969) The toxicity of nine therapeutic and herbicidal compounds to striped bass. Progessive Fish-Cultur- ist 31(? ):27-32. (Also~In~unpublished submission received Aug 20, 1976 under 39445-1; submitted by American Carbonyl, Inc., Tenafly, N.J.; CDL:228232-C) |
| 33307 | Bond, C.E.; Wilson, D.C.; Boyd, K.; et al. (1966) Progress Report on Aquatic Weed Research (Projects 773 and 294). (Unpublished study received May 16, 1973 under 1769-234; prepared by Oregon State Univ., Agricultural Experiment Station, Dept. of Fisheries and Wildlife, submitted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL:221976-c) |
| 33310 | Loyal, S.W. (1969) An Investigation into the Effects of Simazine 80 WP, Ametryne 25 E, and GS14260 80 WP at 5, 1, .5, and .1 PPM on Bluegill (Lepomis macrochirus) in Small Field Ponds. (Unpublished study including letter dated Nov 13, 1970 from J.A. Norton to J.E. Dorr, received May 16, 1973 under 1769-234; prepared by California State Polytechnic College, submitted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL:221976-O) |
| 33314 | Hungerbuehler, W. (1956) Effect on~Cyprinus\_specularis~(Mirror Carp): Experiment No. 24. (Unpublished study received May 16, 1973 under 1769-234; submitted by NCH Corp., National Chemsearch Div., Irving, Tex.; CDL:221976-Y) |
| 34214 | Swabey, Y.H.; Schenk, C.F. (1963) Report on Algicides and Aquatic Herbicides. (Unpublished study received Jan 5, 1968 under 201- 118; prepared by Ontario, Water Resources Commission, submitted by Shell Chemical Co., Washington, D.C.; CDL:000755-N) |
| 43663 | United Kingdom. Ministry of Agriculture, Fisheries and Food (19??) The Toxicity of Simazine Weed Killer to the Rainbow Trout (?~Salmo gairdnerii~?). (Incomplete, unpublished study; CDL: 229607-M) |
| 43667 | Cook, J.D.; Smith, B.W. (1976) Sensitivity of Striped Bass Fingerlings to Simazine. (Unpublished paper presented at the National Fish Culture Workshop; Jan 13-15, 1976, Springfield, Missouri; Alabama, Game and Fish Div., unpublished study; CDL:229607-X) |
| 43668 | Zak, F.; Hormann, W.D.; Sachsse, K. (1973) 56-Day Toxicity and Residue Study of Simazine on Rainbow Trout (Salmo gairdneri): Project No. Siss 1725. (Unpublished study received Apr 27, 1977 under 100-541; prepared by Ciba-Geigy, Ltd., Switzerland, submitted by Ciba-Geigy Corp., Greensboro, N.C.; CDL:229607-Y) |
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**81-2       Acute dermal toxicity in rabbits or rats**

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**81-3       Acute inhalation toxicity in rats**

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**81-4       Primary eye irritation in rabbits**

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**81-5       Primary dermal irritation**

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**83-3       Teratogenicity -- 2 Species**

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**83-4       2-generation repro.-rat**

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**84-2       Interaction with Gonadal DNA**

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**85-1       General metabolism**

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**85-3       Dermal Penetration/Absorption**

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**86-1       Domestic animal safety**

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**163-1       Leach/adsorp/desorption**

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| **MRID** | **Citation Reference** |
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**164-1       Terrestrial field dissipation**

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**164-2       Aquatic field dissipation**

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**171-4B       Residue Analytical Methods**

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**171-4C       Magnitude of the Residue [by commodity]**

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| **MRID** | **Citation Reference** |
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**171-4A2       Nature of the Residue in Plants**

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**171-4A3       Nature of the Residue in Livestock**

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| **MRID** | **Citation Reference** |
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| 40614428 | Thede, B.; Simoneaux, B. (1988) Nature of Simazine Metabolism in Poultry and Ruminants: Study No. ABR-88050. Unpublished study prepared by Ciba-Geigy Corp. 25 p. |
| 40614429 | Simoneaux, B. (1986) Distribution and Characterization of ?Carbon 14|-Simazine in a Chicken: Study No. ABR-86042. Unpublished study prepared by Ciba-Geigy Corp. 29 p. |
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**850.1010       Aquatic invertebrate acute toxicity, test, freshwater daphnids**

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| 47046101 | Vial, A. (1991) Report on the Acute Toxicity Test of G 28273 on Daphnia (Daphnia magna Straus 1820): Final Report. Project Number: BASEL/918141, T000486/07. Unpublished study prepared by CIBA-GEIGY Ltd. 21 p. |
| 50037201 | Brougher, D.; Zhang, L.; Gallagher, S. (2016) Simazine - A 48-Hout Static Acute Toxicity Test with the Cladoceran (Daphnia magna): Final Report. Project Number: 528A/316A, TK0318117. Unpublished study prepared by EAG Laboratories. 41p. |

**850.1075       Fish acute toxicity test, freshwater and marine**

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| 47046104 | Vial, A. (1991) Report on the Acute Toxicity Test of G 28273 to Rainbow Trout (Salmo gairdneri): Final Report. Project Number: BASEL/918139, T000489/07. Unpublished study prepared by CIBA-GEIGY Ltd. 20 p. |
| 50037202 | Rufli, H. (1994) Simazine - Report on the Acute Toxicity Test of G 27692 tech. to Common Carp (Cyprinus carpio): Final Report. Project Number: 941596, TK0320839. Unpublished study prepared by CIBA-GEIGY Ltd. 18p. |

**850.1300       Daphnid chronic toxicity test**

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| **MRID** | **Citation Reference** |
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**850.1350       Mysid chronic toxicity test**

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**870.1100       Acute oral toxicity**

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| 47854501 | Burley, J. (2009) Simazine: Acute Oral Toxicity (in Rats). Project Number: OXN/11A/950017/AC. Unpublished study prepared by Huntingdon Research Centre, Ltd. 20 p. |
| 47875401 | Burley, J. (2009) Simazine: Acute Oral Toxicity (Rats). Project Number: 1/4/152/84. Unpublished study prepared by Oxon Italia S. P. A. 22 p. |
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**870.1200       Acute dermal toxicity**

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| **MRID** | **Citation Reference** |
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| 46285905 | Bossotto, A. (2003) Acute Dermal Toxicity with Simazat 90 DF in Sprague Dawley Rats. Project Number: BI/4122/03. Unpublished study prepared by Microquim S.A. 32 p. |
| 47733905 | Yu, P. (2009) (Simazine 90 WG): Acute Dermal Toxicity: (Rat). Project Number: RBM/970088. Unpublished study prepared by Istituto di Ricerche Biomediche Antoine Marxer RBM S.p.A. 32 p. |
| 47833707 | Schoch, M. (1994) Simazine (A6119B): Acute Toxicity in the Rat: Final Report. Project Number: 941048, T008747/08. Unpublished study prepared by Ciba-Geigy Ltd. 18 p. |
| 47833713 | Kuhn, J. (2006) Simazine SC (477.66) (A8563B): Acute Dermal Toxicity Study in Rats: Final Report. Project Number: 9697/06, T000968/06. Unpublished study prepared by Stillmeadow, Inc. 14 p. |
| 47833719 | Glaza, S. (1992) Simazine Technical: Acute Dermal Toxicity Study of Simazine Technical in Rabbits: Final Report. Project Number: HWI/11204660, T000323/91. Unpublished study prepared by Hazleton Raltech, Inc. 16 p. |
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**870.1300       Acute inhalation toxicity**

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**870.2400       Acute eye irritation**

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**870.2500       Acute dermal irritation**

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**870.2600       Skin sensitization**

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**890.1350       Fish Short-Term Reproduction**

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