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Teratogenecity Assessment Teratogenicity Genetic Toxicity in-vitro Genetic Toxicity in-Vivo Assessment Mutagenicity Epidemiology Further Information _____ Acute Oral Tox Component: Electronic grade propylene glycol monomethyl ether acetate Acute oral toxicity■LD50 rat 8,532 mg/kg ■■Component: Ethanol Acute oral toxicity■LDLo human 1,400 mg/kg ■■Component: Ethanol Acute oral toxicity■LD50 mouse 3,450 mg/kg ■■Component: Ethanol Acute oral toxicity■LD50 rat 6,200 mg/kg ■■Component: Ethanol Acute oral toxicity■LD50 rat 7,060 mg/kg ■■ Component: Electronic grade propylene glycol monomethyl ether acetate Acute Inhalation tox Acute inhalation toxicity■LC50 rat 6 h 23.49 mg/l ■■Component: Ethanol Acute Inhalation tox Acute inhalation toxicity■LC50 rat 10 h 37.68 mg/l ■■ Component: Electronic grade propylene glycol monomethyl ether acetate Acute Dermal tox Acute dermal toxicity ■LD50 rabbit >5,000 mg/kg ■■Component: Ethanol Acute Dermal tox Acute dermal toxicity ■LD50 rabbit 4,070 mg/kg ■■ Acute tox other route Skin irritation Eye irritation Sensitization _____ Respiratory system irritation Chronic/sub-chronic tox Carcinogenicity Assessment Carcinogenicity Toxicity to reproduction Assessment Toxicity to Reproduction Component: Electronic grade propylene glycol monomethyl ether acetate Toxicity to reproduction Dermal teratology testing of this solvent (with less than 3% beta isomer) revealed no maternally toxic, teratogenic or fetotoxic responses in rats or rabbits exposed to concentrations of 1,000 and2,000 mg/kg per day. Teratogenecity Assessment Teratogenicity Genetic Toxicity in-vitro Genetic Toxicity in-Vivo Assessment Mutagenicity Component: Electronic grade propylene glycol monomethyl ether acetate Mutagenicity No significant mutagenic response was observed and the carcinogenic potential of the material is therefore considered to be low. Epidemiology Further Information _____ Respiratory system irritation Chronic/sub-chronic tox Carcinogenicity Assessment Carcinogenicity Toxicity to reproduction Assessment Toxicity to Reproduction Teratogenecity Assessment Teratogenicity Genetic Toxicity in-vitro Genetic Toxicity in-Vivo Assessment Mutagenicity Epidemiology Further Information _____ Respiratory system irritation Chronic/sub-chronic tox Carcinogenicity Assessment Carcinogenicity Toxicity to reproduction Assessment Toxicity to Reproduction Teratogenecity Assessment Teratogenicity Genetic Toxicity in-vitro Genetic Toxicity in-Vivo Assessment Mutagenicity Epidemiology Further Information 12. ECOLOGICAL INFORMATION Ecotoxicological information on this product or its components appear in this section when such data is available. Section 12 Ecological Information Ecotoxicity Effects Chemical Fate Information Additional remarks _____ Electronic grade propylene glycol monomethyl ether acetate Ecotoxicity Effects Ecotoxicity effects Toxicity to fish Toxicity to fish■ LC50 Fathead minnow (Pimephales promelas) 96 h 161 mg/l ■■Toxicity to algae Toxicity to bacteria Toxicity to aquatic inverterbrates Toxicity to aquatic invertebrates■ EC50 Daphnia 48 h >500 mg/l ■■ Toxic to soil organisms Chemical Fate Information Additional remarks Ethanol Ecotoxicity Effects Ecotoxicity effects Toxicity to fish Toxicity to fish■ LC50 Fathead minnow (Pimephales promelas) 96 h 14,200 mg/l ■■Toxicity to algae Toxicity to algae■ Algae 168 h 5,000 mg/l ■■Toxicity to bacteria Toxicity to aquatic inverterbrates Toxicity to aquatic invertebrates■ EC50 Daphnia 48 h 9268 ppm ■■ Toxic to soil organisms Chemical Fate Information Additional remarks Ecotoxicity Effects Chemical Fate Information Additional remarks 13. DISPOSAL CONSIDERATIONS Environmental precautions Environmental precautions: Prevent the material from entering drains or water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation. Section 13 Disposal Considerations Waste Classification Disposal Dispose of in accordance with all applicable local and national regulations. Incineration is the recommended method of disposal for containers. Under RCRA, it is the responsibility of the product's user to determine at the time of disposal, whether the product meetsRCRA criteria for hazardous waste. This is because the product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous. Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care. Contaminated packaging EU waste code 14. TRANSPORT INFORMATION US DOT Information DOT ■Not regulated per 49CFR 173.150(f)(2) ■■ IMDG (International Ocean) IMO/IMDG Proper shipping name■RESIN SOLUTION ■■ UN-No■UN 1866■■Class■3■■Packing group■III■■ ADR(EU Surface) 15. REGULATORY INFORMATION Section 15 Regulatory Information Workplace Classification Canadian WHMIS Classification EU Label Phrases SARA 311/312 SARA Title III: Section 311/312 Categorizations (40CFR370): Immediate, delayed, flammability hazard SARA 313 SARA Title III: Section 313 Information (40CFR372) This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations. TSCA 12b U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D): U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D) This product does not contain any substances subject to Section 12(b) export notification. CERCLA TSCA US. Toxic Substances Control Act (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. National Regional (States) California (Proposition 65) This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm. 16. OTHER INFORMATION Hazard Rating ■Health■Fire■Reactivity■■ NFPA■2■2■0■■■ EU Label Phrases Legend Legend ACGIH ■American Conference of Governmental Industrial Hygienists■■BAc ■Butyl acetate■■OSHA ■Occupational Safety and Health Administration■■PEL ■Permissible Exposure Limit■■STEL ■Short Term Exposure Limit (STEL):■■TLV ■Threshold Limit Value■■TWA ■Time Weighted Average (TWA):■■| ■Bar denotes a revision from prior MSDS.■■ The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Version: 1.00 Print Date:■■ DATE \@ "MM/dd/yyyy" * MERGEFORMAT ■10/29/2002■■■Layout 299591 XP-0899■■ Page ■ PAGE ■8■ of ■ NUMPAGES ■8■ ■Revision date■10/29/2002■■ Page ■ PAGE ■1■ of ■ NUMPAGES ■1■ ■Revision date■10/29/2002■■ ■

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