

HB Chemical Corporation

FLASH POINT 157°C (310 F) COC

FIRE-FIGHTING PROCEDURES: Use Chemical foam, CO₂, Dry Chemical, water fog.

HAZARDOUS COMBUSTION PRODUCTS: This product will decompose under extreme temperatures forming oxides of carbon as well as Aromatic hydrocarbons and nitrogen oxides. Harmful vapors may be liberated

PROTECTIVE EQUIPMENT: Full eye protection and protective clothing are required for all indoor/outdoor fires and spills.

Explosion Hazards: Dust suspended in air in critical proportions with a presence of an ignition source presents an explosion hazard.

Min. explosion concentration: NA

Min. ignition energy: na

Maximum rate of pressure rise: NA

Max. Pressure of explosion: NA

Explosion severity: NA

Volume resistivity: na

SECTION VI

SPILLS AND ENVIRONMENTAL INFORMATION

SPILL OR LEAK PRECAUTIONS: Wear appropriate protective clothing, gloves and equipment. Eliminate all sources of ignition. Contain spill. Transfer to secure containers and dispose of according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Prevent run-off into sewers or natural waterways. Spills in excess of the RQ must be reported to the local emergency response organizations. Major spills should also be reported to the National Response Center. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802)

WASTE DISPOSAL: All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

SECTION VII

HANDLING AND STORAGE

Store in sealed containers in dry, ambient temperature conditions (less than 110°F). Perform packaging in well-ventilated area wearing protective eye shields and clothing.

SECTION VIII

EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION: Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.

RESPIRATORY AND PERSONAL PROTECTION: Respirators should be selected when TWA exceeded. Safety glasses with side shields; gloves, boots and apron as appropriate.

FACILITIES: Consideration to properly engineered explosion suppression should be considered when large amounts of product are handled. There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

TVL/PEL: TWA: 15 mg/m³ total dust
5 mg/m³ respirable dust (OSHA)

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SECTION IX

PHYSICAL AND CHEMICAL INFORMATION

Corporate Office:
140 E Ascot Lane
Cuyahoga Falls, OH 44223

Tel. 330-923-8023
Fax 330-920-0971

HB Chemical Corporation

Appearance: yellowish/pink white prills/pwd
Specific Gravity @25°C = 1.23
Vapor Pressure: ND
Viscosity cPs (25°C) = ND

Evaporation Rate: < 1 (butyl acetate=1)
Melting Point: 150 C approx
Refractive Index 25°C: ND
Solubility in Water: Not soluble

SECTION X

STABILITY AND REACTIVITY

Under normal storage conditions, this product a) is stable; b) will not polymerize or exotherm; c) should be kept away from extreme heat, strong oxidizers and bases; d) this product decomposes under high temperature and hydrolyses in humid conditions. Above 130 C material may become instable.

SECTION XI

TOXICOLOGICAL INFORMATION

Routes of Entry: Eye, Inhalation and Ingestion and skin
Acute Dermal (Rabbit) >794 mg/kg (LD50) (RTV MSDS)
Acute Oral (rat): 350 mg/kg (LD50) (RTV MSDS)

Eye irritation (rabbit) 20.2 / 110.0 (4 hr) – Moderate irritant (RTV MSDS)
Skin irritation (rabbit) 0.0 / 8.0 (4 hr) – Non irritation (RTV MSDS)
Acute Inhalation: NA

Remarks: Eye and skin tests on rabbits came back moderate and negative respectively

SECTION XII

ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxicity in water (LC50): (LC50): 9.6 mg/l 96 hours (Blue Gill). 11 mg/l 96 hours (trout). 4.2 mg/l 96 hours (fathead minnow (Pimephales). 17 mg/l 48 hours (Daphnia magna).

BOD and COD: Not available
Biodegradability: Not available

Products of Biodegradation: No likely short term hazards of degradation however, potential long term may arise.

SECTION XIII

DISPOSAL CONSIDERATIONS

Incineration by a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations. For spill clean-up procedures see Sect.VI.

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SECTION XIV

TRANSPORTATION INFORMATION

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DOT: UN 3077, Environmentally Hazardous Substance, Solid, N.O.S., (N,N'-Diphenylguanidine), 9, III

CANADA TRANSPORT HAZ.GOODS: See DOT.

AIR (IATA/ICAO): Not determined. Label: Product trade name with chemical description.

EUROPEAN TRANSPORTATION: ADR/RID HAZ. CLASS: Not regulated.

US CUSTOMS: - HARMONIZED TARIFF CODE:

Remarks – New shipping description May 21, 2007

SECTION XV

REGULATORY INFORMATION

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA TITLE III: - 311/312 CATEGORIES: Immediate Delayed

“ “ - 313 Reportable ingredients: NA

CERCLA RQ: Not applicable.

RCRA Status:

TSCA REGULATORY: All intentional ingredients are listed in the TSCA Inventory.

CANADA WHMIS HAZARD SYMBOL AND CLASS: Not Controlled

CANADA INGREDIENT DISCLOSURE LIST: Does not contain any ingredients on the IDL. All intentional ingredients are on the DSL.

SECTION XVI OTHER INFORMATION

HMIS Label: Health: 2
Fire: 1
Reactivity: 0
Protection: E

Prepared: April 2009

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other or additional considerations. A good part of the information was gained from RT Vanderbilt MSDS Code 04350.

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