

PROtech MATERIAL SAFETY DATA SHEET

health care professional immediately.

Skin Contact: Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists consult a health care professional.

Eye Contact: Flush immediately with copious amounts of tap water or normal saline (minimum of 15 minutes). Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.

V – FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD DATA

Flash Point: Closed Cup: >100°C (212°F). (Pensky-Martens)

Flammable Limits:

LEL:

UEL:

Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.

Special Fire-fighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Unusual Fire and Explosion Hazards:

VI – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released:

IMPORTANT: before responding to a spill or leak of this product, review each section of this MSDS. Follow the recommendations given in the "Precautions to be taken in Handling and Storage" section below. Check the "Fire and Explosion Hazard Data" section to determine if the use of non-sparking tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of enclosed areas.

Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Based on the products toxicological and chemical properties, and on the size and location of the spill or leak assess the impact on contaminated environments (e.g. water systems, ground, air equipment, etc.). There are no methods available to completely eliminate any toxicity this product may have on aquatic environments. Minimize adverse effects on these environments. Determine if federal, state, and or local release notification is required (see regulatory classifications section of this MSDS). Recover as much of the pure products as possible into appropriate containers. Later, determine if these recovered products can be used for its intended purpose. Address clean-up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that cannot readily be recovered as pure products. Flushing residual material to an industrial sewer, if present at the site of a spill or leak incident, may be acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials. Contact the person(s) responsible for the operations of your facility's industrial sewer system prior to intentionally flushing or pumping spills or leaks of this product to the industrial sewer.

VII – HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storage:

Eyewash fountains in the work place are recommended. Rubber gloves, safety glasses or goggles are recommended. The handling precautions for this product are based on the characteristics of the neat product unless otherwise specified.

VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:

Ventilation:

Local Exhaust:

Mechanical Exhaust:

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Other Protective Clothing or Equipment:
Work/ Hygienic Practices:

IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >100°C (212°F)
Vapor Pressure (mm Hg): Not available
Density :1.069 g/cm³ at 25°C (77°F)
Solubility in Water: Easily soluble in cold or hot water.
Appearance and odor: Clear, brown liquid with slight odor.
Specific Gravity (H₂O=1):
Percent volatile by volume:
Melting Point: Not available
pH (Neat): 6 [Acidic]
pH (100 ppm in water): 6-7
Additional pH information: pH (neat) = Not available.
Evaporation Rate:
Viscosity: Kinetic: Not available

X – STABILITY AND REACTIVITY

Stability: () Unstable () Stable – under normal conditions of use and storage
 Conditions to Avoid:
Incompatibility: Anionic polymers
Hazardous Decomposition Products: Oxides of carbon and nitrogen.
Hazardous Polymerization: () May Occur () Will Not Occur
Conditions to Avoid:

XI- TOXICOLOGICAL INFORMATION

Acute Toxicity:
 Acute Oral (LD50) = 3700 MG/KG male Rat
 Acute Dermal (LD50) = >2000 mg/kg Rabbit
 Acute Inhalation (LC50) = >26.4 mg/l (4 hours) Rat

Irritant / Sensitization effects:
 Hazardous in case of eye contact (irritant).
 Non-sensitizer for skin. Non-irritant for skin.
 Slightly hazardous in case of inhalations. Effects will depend on concentration and length of time of exposure.
Other: None known

XII – ECOLOGICAL INFORMATION

Aquatic Toxicity:
Avian Toxicity:

ENVIRONMENTAL HAZARDS (PR Notice 93-10)

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water board or Regional Office of the EPA.

XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Follow federal, state and local regulations governing the disposal of waste materials.

Contaminated Materials: Determine if the waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management. This product is not specifically listed on 40 CFR 261 as a Resource Conservation and Recovery Act (RCRA) hazardous waste. However, spill or leak residuals may meet the criteria of a characteristic hazardous waste under this ACT. Check the characteristics of the material to be disposed of and/or the physical and reactivity data given in this MSDS for the neat product.

Container Disposal: Empty containers, as defined by appropriate sections of the RCRA, are not RCRA hazardous wastes. However, insure proper management of any residuals remaining in container.

XIV - TRANSPORTATION DATA

Please refer to applicable regulations or call company noted under Section I.

XV - REGULATORY INFORMATION

The following Regulations are known to apply to the use and disposal of this product. Additional Federal, State and Local regulations may also be applicable.

SARA (Superfund Amendments and Reauthorizations Act)

SARA 302: No components of this product are listed.

SARA 312: Immediate (Acute) Health Hazard

SARA 313: No components of this product are present above the *de minimus* Levels.

TSCA (Toxic Substances Control Act) Applicability

All components may not be listed on the TSCA Inventory. Registered pesticides are exempt from the requirements of TSCA.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

No components of this product are present above the *de minimus* levels.

RCRA (Resource Conservation and Recovery Act) Listed Hazardous Waste

No Components of this product are listed.

CWA (Clean Water Act) Listed Substances

No components of this product are listed.

FDA (Food and Drug Administrations)

This product is not approved for food contact uses.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act); The product is a registered pesticide. EPA

HMIS/NPCA Rating: Health 1, Flammability 1, Reactivity 1

NFPA Rating: Health 1, Flammability 1, Reactivity 1

State Regulations: Various State Right to Know Acts:

Non-proprietary hazardous chemicals are listed in Section II of this MSDS.

XVI - ADDITIONAL INFORMATION

This MSDS replaces the 07/12/2005 version. Any changes in information are as follows: In Section XIV. **ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL.**

Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section XV of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

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