

Material Safety Data Sheet

Provided by:

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name CYANURIC ACID
Synonyms ISOCYANURIC ACID
Chemical Name CYANURIC ACID
Emergency phone: 281-457-4888
Chemtrec: 800-424-9300

Date of Issue: 1/2/01
Revised Date: N/A

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
CYANURIC ACID	98% - 100%	108-80-5

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: 1.0 mg/cu. M
Eye Contact CONTACT MAY CAUSE EYE IRRITATION.
Skin Contact CONTACT MAY IRRITATE THE SKIN AND CAUSE A SKIN RASH (DERMATITIS).
Ingestion MAY CAUSE DIGESTIVE TRACT IRRITATION.
Inhalation CAN CAUSE RESPIRATORY TRACT IRRITATION.
Carcinogenicity: *NTP* NO *IARC* NO *OSHA* NO

SECTION 4 - FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
Skin Contact: IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.
Inhalation: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.
Ingestion: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point NONFLAMMABLE.
Extinguishing Media USE MEDIA APPROPRIATE FOR SURROUNDING AREA.

**Special Firefighting
Procedures/Precuations**

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. STAY UPWIND AND KEEP OUT OF LOW AREAS.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For Spill: SWEEP OR VACUUM MATERIAL AND PLACE IN CONTAINERS FOR DISPOSAL. KEEP OUT OF WATERWAYS AND SEWERS.

SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

AVOID CONTACT. DO NOT STORE IN TEMPERATURES ABOVE 140°F.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

- Respiratory Protection** USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED.
- Ventilation** LOCAL AND MECHANICAL RECOMMENDED.
- Protective Gloves** CHEMICAL IMPERVIOUS GLOVES.
- Eye/Face Protection** CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.
- Other Protection** CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.
- Work Practices** USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|---|--|
| Boiling Point (°F): DECOM > 600 | Vapor Pressure (mmHg): NOT APPLICABLE |
| Freezing Point (°F): NOT APPLICABLE | Vapor Density (Air=1): NOT APPLICABLE |
| Solubility (H2O): MODERATE | Specific Gravity (H2O=1): 2.5 |
| pH APPROX. 5 | Evaporation Rate: NOT APPLICABLE |
| Appearance/Odor: WHITE SOLID WITH NO APPRECIABLE ODOR. | |

SECTION 10 - STABILITY AND REACTIVITY

- Chemical Stability:** YES
- Incompatible Materials** NONE KNOWN.
- Decomposition Products** CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, AND CYANIC ACID.
- Hazardous Polymerization:** WILL NOT OCCUR.

SECTION 11 - TOXICITY INFORMATION

LC50 SKIN (rabbit) = 2 g/kg LD50 ORAL (rat) = > 5 g/kg

SECTION 12 - ECOLOGICAL INFORMATION

AQUATIC TOXICITY: LC50 = 1080 PPM/96HR/RAINBOW TROUT LC50 = 1400 PPM/96HR/SUNFISH LC50 = 1000 MG/L/48HR/DAPHNIA MAGNA LC50 = >2150 PPM/8DAY DIETARY EXPOSURE/MALLARD DUCK LC50 = > 10,000 PPM/8DAY DIETARY EXPOSURE/BOBWHITE QUAIL

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14 - TRANSPORT INFORMATION

USA DOT Shipping Name: NOT REGULATED.

Hazard Class:

UN/NA Number:

Packing Group:

Subsidiary Hazard

Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

CERCLA RQ (lbs): NOT APPLICABLE

SARA Title III Section 312:

Acute **Chronic** **Flammable** **Sudden Release of Pressure** **Reactive**

SARA Title III Section 313: No

SARA Extremely Hazardous Substance: No

HMIS HAZARD RATING

Health: 1 **Fire:** 0 **Reactivity:** 0

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

SECTION 16 - OTHER INFORMATION

EPA Pesticide Registration Number: NOT APPLICABLE

NSF Maximum Use Level for Potable Water (Standard 60): NOT APPLICABLE

TSCA (Toxic Substance Control Act), 40 CFR 710:

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

DISCLAIMER

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