

Product Code: MSDS032
Product Name: HURRICANE RINSE FREE
Item Codes: HURR55GAL; HURR5GAL; 217900

24-hour Emergency Phone: (800) 535-5053

HMIS CODES H F R P
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY:

16001 TRADE ZONE AVE.
UPPER MARLBORO, MD 20774

2. HAZARDS IDENTIFICATION

DANGER. Causes severe skin burns and eye damage. Harmful if inhaled. May cause damage to organs through prolonged or repeated contact. Harmful if swallowed, in contact with skin or if inhaled. CORROSIVE.

Hazard Classification: Skin and Eye Category 1: Corrosive
Acute Toxicity Category 4
Asiration Category 1



Potential Health Effects

EYE:

Causes severe skin burns and eye damage.

SKIN:

Causes severe skin burns and eye damage.

INGESTION:

May cause nausea, vomiting and stomach irritation. Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation, abdominal pain, and vomiting blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injuries. May be harmful if swallowed and enters airways.

INHALATION:

Under normal conditions, using adequate ventilation no problems are expected. May be harmful if inhaled. May cause respiratory irritation.

CHRONIC (CANCER) INFORMATION:

Not listed by IARC or NTP as a carcinogen. Long term exposure via inhalation of concentrations of 2-butoxyethanol up to 125 ppm caused an increase of liver tumors in male mice. A slight increase in adrenal tumors was observed in female rats. The NTP has determined that 2-butoxyethanol displays some evidence of carcinogenicity in female rats. The IARC has evaluated the material as an IARC Group 3 not classified as to carcinogenicity in humans, based on limited data in animals and inadequate data in humans.

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TERATOLOGY (BIRTH DEFECT) INFORMATION:

Not classified as a teratogen. A raw material in this product has caused birth defects in laboratory animals when ingested in high doses, which led to parental toxicity, by pregnant animals.

REPRODUCTION INFORMATION:

Monoethanolamine (MEA) caused harm to the fetus in a laboratory animal study in which high doses of the material were placed in the stomachs of the mothers through a feeding tube. In other studies, MEA was not harmful to unborn rats or rabbits when the chemical was given to the mothers by skin contact. Contact with MEA in the workplace at levels which are not harmful to the mother should have no effect on the unborn baby.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
* 2-Butoxyethanol	111-76-2	25-33
ACGIH TWA 20 ppm;		
OSHA TWA 50 ppm; 240 MG/CUBIC M		
* Monoethanolamine	141-43-5	<6
ACGIH TWA 3 ppm, STEL 6 ppm		
NIOSH REL: 3 ppm, 8 mg/m3		
NIOSH STEL: 6 ppm, 15 mg/m3		
OSHA Z1 PEL: 3 ppm, 6 mg/m3		
Sodium Lauryl Ether Sulfate	68585-34-2	Not Regulated
Tetrasodium ethylenediamine tetraacetate	64-02-8	<1
Ethylene Glycol	107-21-1	<0.5

4. FIRST AID MEASURES

EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye(s). Call a poison control center or doctor for treatment advice.

SKIN:

Immediately flush skin with water while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing before reuse and discard contaminated shoes.

INGESTION:

Treat symptomatically. Get medical attention if symptoms continue.

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Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

7. HANDLING AND STORAGE

HANDLING:

Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation/personal protection. Avoid contact with eyes, skin or clothing.

STORAGE:

Keep containers covered. Avoid eye and prolonged skin contact. Take the usual chemicals handling precautions. Handle and use in a manner consistent with good industrial techniques and practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended limits. Emergency showers and eyewash facilities should be in close proximity.

RESPIRATORY PROTECTION:

If vapors are present, use NIOSH approved respirator or self contained breathing apparatus.

SKIN PROTECTION:

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

EYE PROTECTION:

Chemical splash goggles with side shields recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
MELTING POINT: Not applicable.
VAPOR PRESSURE: NO INFORMATION AVAILABLE.
VAPOR DENSITY: (Air=1): >1
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: .975
pH: 9.8-10.8
ODOR: No fragrance added.
APPEARANCE: Clear red liquid.

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10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Stable.

INCOMPATIBILITY:

Strong oxidizing agents, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE:

CORROSIVE!

SKIN:

For Monoethanolamine: LD50 rabbit: 1000 mg/m3

INGESTION:

For Monoethanolamine: LD50 rat: 1720 mg/m3

INHALATION:

Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches.

SUBCHRONIC:

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

CHRONIC/CARCINOGENICITY:

Long term exposure via inhalation of concentrations of 2-butoxyethanol up to 125 ppm caused an increase of liver tumors in male mice. A slight increase in adrenal tumors was observed in female rats. The NTP has determined that 2-butoxyethanol displays some evidence of carcinogenicity in female rats. The IARC has evaluated the material as an IARC Group 3 not classified as to carcinogenicity in humans, based on limited data in animals and inadequate data in humans.

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TERATOLOGY:

Ethylene glycol, CAS # 107-21-1, is a reproductive and developmental toxicant when administered at high doses in experimental animals.

REPRODUCTION:

Not expected to effect human reproduction.

MUTAGENICITY:

Not mutagenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

Monoethanolamine:
Toxicity to fish: 96 hr. LC 50 Fathead minnow: 125-2,070 mg/m3
Toxicity to daphnia and other aquatic invertebrates: LC 50 Water flea: 33.00-93.00 mg/L.
Information is based on data on the components and the ecotoxicology of similar products.

CHEMICAL FATE INFORMATION:

NO INFORMATION AVAILABLE.

13. DISPOSAL CONSIDERATIONS

Dispose of according to current and applicable Local, State and Federal Laws and Regulations by a licensed disposal agent.
Dispose empty containers in accordance with applicable regulations.

14. TRANSPORT INFORMATION (Not meant to be all inclusive)

UN2491, ETHANOLAMINE SOLUTION, N.O.S., 8, III, (CONTAINS MONOETHANOLAMINE)
LIMITED QUANTITY UNDER 1.3 GALLONS.

15. REGULATORY INFORMATION: (Not meant to be all inclusive - selected regulations represent

U.S. FEDERAL REGULATIONS:

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) 29 CFR 1910.1200

OSHA:

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HAZCOM STANDARD

CERCLA: SARA HAZARD CATEGORY:

Acute and chronic health hazard. Fire hazard.

SECTION 313:

NO INFORMATION AVAILABLE.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS:

Class E: Corrosive Liquid

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA):

No Information Available.

EINECS:

Positive listing.

STATE REGULATIONS:

Regulated by California, Massachusetts, and Pennsylvania's Right-to-Know laws.

VOLATILE ORGANIC COMPOUNDS:

NO INFORMATION AVAILABLE.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS
* 2-Butoxyethanol	1
ACGIH TWA 20 ppm;	
OSHA TWA 50 ppm; 240 MG/CUBIC M	
* Monoethanolamine	1
ACGIH TWA 3 ppm, STEL 6 ppm	
NIOSH REL: 3 ppm, 8 mg/m3	
NIOSH STEL: 6 ppm, 15 mg/m3	
OSHA Z1 PEL: 3 ppm, 6 mg/m3	
Sodium Lauryl Ether Sulfate	6
Tetrasodium ethylenediamine tetraacetate	6
Ethylene Glycol	1

16. OTHER INFORMATION

SDS Status:

Compliant with OSHA's new GHS safety data sheet (SDS).

Information in this Safety Data Sheet (SDS) is based on sources other than direct test data and is given in good faith. No warranty is expressed or implied. We believe that the information is current as of the date of this SDS. The use of this information, the conditions, the methods of handling, storage, use and disposal of the product are not within the control of the manufacturer and distributor, therefore it is the user's responsibility and obligation to determine the conditions of the safe use of this product and to ensure that its activities comply with all laws and regulations.