

Product Code: MSDS433
Product Name: METEOR
 ITEM CODES: METEOR5GAL, 415018

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

HMIS CODES H F R P
 2 0 0 X

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY:

16001 TRADE ZONE AVE.
UPPER MARLBORO, MD 20774

2. HAZARDS IDENTIFICATION

WARNING. Harmful if swallowed, inhaled or absorbed through the skin. Causes irritation to skin, eyes and respiratory tract. Affects central nervous system. Ingestion may irritate the gastrointestinal tract.



Hazard Category: Skin and Eyes Irritant Category 2

Potential Health Effects

EYE:

Causes irritation, redness, and pain. Can cause eye damage.

SKIN:

May cause irritation, redness, and pain. May be absorbed through the skin with symptoms paralleling ingestion.

INGESTION:

Swallowing this material may be harmful. Symptoms may include severe stomach and intestinal irritation, abdominal pain, and vomiting. Swallowing this material may cause irritation and burns 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. Large doses may cause sore throat, coughing, labored respiration, dizziness, dullness, abdominal pain, vomiting, central nervous system depression, convulsions, and death due to respiratory failure.

INHALATION:

Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. May be absorbed into the bloodstream with symptoms similar to ingestion.

CHRONIC (CANCER) INFORMATION:

Not listed by IARC or NTP as a carcinogen.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

Not classified as a teratogen.

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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. |
|---|------------|---------------|
| Benzyl Alcohol | 100-51-6 | Not Regulated |
| Work AIGHA place Environmental Exposure Level (WEEL): 10 ppm, 8 hr. TWA | | |
| * Monoethanolamine | 141-43-5 | 5.98 |
| 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 | | |
| Monoethanolamine Dodecyl Sulfonate | 58089-99-9 | Not Regulated |
| Sodium Octanesulfonate | 5324-84-5 | Not Regulated |
| | 6132-04-3 | |
| Sodium citrate | 7757-82-6 | Not Regulated |
| Sodium Sulfate | | Not Regulated |

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:

If swallowed, Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. DO NOT INDUCE vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION:

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Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIANS:

The material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: N/A Method: N/A
NOT FLAMMABLE.

FLAMMABLE LIMITS:

Lower flammable limit: N/A
Upper flammable limit: N/A

AUTOIGNITION TEMPERATURE:

Not Applicable.

HAZARDOUS COMBUSTION PRODUCTS:

Ammonia, carbon dioxide and carbon monoxide, nitrogen oxides. Oxides of carbon.

EXTINGUISHING MEDIA:

For a SMALL fire, Use dry chemicals, CO2, water spray or alcohol-resistant foam. For a LARGE fire, use water spray, water fog or alcohol resistant foam. Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

FIREFIGHTING INSTRUCTIONS:

Wear appropriate and suitable protective clothing and breathing equipment for the situation. Follow NFPA Fire Protection Guidelines. Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Use appropriate containment to avoid run-off. Keep out of streams, sewers and waterways. Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

LARGE SPILL:

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If possible, clean up spill area with absorbant and then flush with plenty of water. 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: 205C 401F
MELTING POINT: Not applicable.
VAPOR PRESSURE: NO INFORMATION AVAILABLE.
VAPOR DENSITY: (Air=1): >1
SOLUBILITY IN WATER: Soluble Miscible
SPECIFIC GRAVITY: 1.002
pH(as is): 10.0 - 11.4 **pH(1:5):** 10.0-10.8
ODOR: Benzyl alcohol odor. No fragrance added.

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APPEARANCE: Clear amber liquid.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Stable.

INCOMPATIBILITY:

Strong oxidizing agents, strong acids. Reactive Metals(e.g. mild steel and aluminum), Bases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE:

Strong Irritant.

SKIN:

For Monoethanolamine: LD50 rabbit: 1000 mg/m3 Irritant.

Product is a skin irritant. Prolonged or repeated contact as with clothing wet with material may cause dermatitis.

Symptoms include redness, edema, drying, and cracking.

INGESTION:

May cause weakness, confusion, anxiety, decreased blood pressure, and CNS depression. Product may also irritate the digestive system tissue. 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:

Not classified as a carcinogen.

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TERATOLOGY:

Not a teratogen.

REPRODUCTION:

Not expected to effect human reproduction.

MUTAGENICITY:

Not mutagenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

This material is expected to be readily biodegradable.
Low potential for bioaccumulation. BCF = 3.0 (estimated.)
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, (CONTAINS MONOETHANOLAMINE), N.O.S., 8, III,
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

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OSHA:

HAZCOM STANDARD

CERCLA: SARA HAZARD CATEGORY:

Acute and chronic health 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.

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.