

Material Safety Data Sheet

Effective Date: 24-OCT-2012

Product: SMOKE

I. IDENTIFICATION

Chemical Name: Not applicable, formulated mixture.
Chemical Family: Herbicide Activator and Water Conditioner
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: Not determined
Freezing Point: Not determined
Spec Gravity: 1.16-1.17 g/ml
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: 100%
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not determined
Appearance: Clear, pale yellow liquid; slight fatty odor.

III. INGREDIENTS

| Material | CAS Number | Percent | TLV | Hazard |
|---|------------|---------|-----|-------------------------------|
| Trihydroxy carboxylic acid, alkyl amine alkoxylate, alkyl alkoxylated phosphate amine, urea sulfuric acid complex | | 56.4 | N/E | Moderate-severe eye irritant. |
| Formulation aids | | 43.6 | N/E | Non-hazardous. |

Ingredients include <20% tallowamine ethoxylate (CAS No 61791-23-9) and <20% monocarbamide dihydrogen sulfate (CAS No 21351-39-3).

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 Degrees F.
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Use dry chemical, foam, water spray, water fog or carbon dioxide to extinguish fire. Use water fog, alcohol-type or all-purpose-type foam water spray to cool fire-exposed containers.

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Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Evacuate area. Prevent contamination from run off to adjacent areas.

Fire and Expl Hazard: Can be dangerous when exposed to extreme heat and flame. Can vigorously decompose to release carbon dioxide gas.

V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Irritating to the mouth, throat and stomach. Do not ingest. May be aspirated if swallowed and cause lung damage.
Skin Absorption: No hazard anticipated due to skin absorption.
Inhalation: Inhalation of spray mist may cause irritation to the respiratory tract, throat and lungs.
Skin contact: May cause severe skin irritation with contact. Skin dryness or cracking may occur after contact.
Eye Contact: Moderate to severe eye irritant.
Chronic Effects: None currently known.
Other Hazard: Skin contact may aggravate existing skin disease.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Call a physician or poison control center immediately for treatment advice. Do not induce vomiting. Obtain immediate medical attention.
Skin: Immediately flush skin with plenty of soap and water, continuing for at least 15 minutes, while removing contaminated clothing and shoes. Seek medical attention. Discard contaminated clothing to avoid further contact.
Inhalation: Move to fresh air. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical attention.
Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if present, immediately. Seek medical attention.

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Notes to Physician: Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. Careful removal of the substance from the stomach by medical personnel is required.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Stable under normal conditions of storage and handling.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with alkalies and metals such as aluminum, tin, lead and zinc. Hydrogen gas will be released if in contact with incompatible metals.
Hazardous Combustion: Irritating or toxic substances may be emitted upon thermal decomposition. These products include oxides of carbon, nitrogen and sulfur.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spills immediately with inert materials. Transfer liquids and solids to suitable containers for disposal. Will corrode susceptible metals. Recommended storage containers constructed of polypropylene, polyethylene or 316L stainless steel.
Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: NIOSH-approved respirator should be used, especially in emergency or non-routine situations.
Ventilation: General and/or local exhaust should be sufficient.
Gloves: Impervious gloves.
Eyes: Safety glasses with side shields.
Other: Eyewash station, emergency shower, impervious apron, face shield, boots or full body

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IX. SPECIAL PRECAUTIONS

Other precaution: Store in cool, dry place. Keep containers tightly closed and upright when not in use. Protect against physical damage. Do not freeze. Do not reuse empty containers.

Not applicable

Delayed (Chronic) Health: N
Fire: N

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