

HAZARDS IDENTIFICATION

Eye: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Mists may cause eye irritation.

Skin: Prolonged contact is essentially nonirritating to skin. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Repeated exposures may cause flaking and softening of skin. May be absorbed in potentially harmful amounts when applied in large quantities to severe burns (second or third degree) over large areas of the body as part of a cream or other topical application. Absorption under such circumstances can elevate serum osmolality and may result in osmotic shock.

Ingestion: Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

Inhalation: At room temperature, vapors are minimal due to physical properties. Mists may cause irritation of upper respiratory tract.

3. COMPOSITION

Chemical Name Wt.% CAS No.

Glycerol Ethoxylate Min. 99.9 31694-55-0

4. FIRST AID MEASURES

General: Treat symptomatically

Inhalation: remove to fresh air. Keep at rest

Ingestion: Rinse mouth and then drink plenty of water

Eye Contact: Irrigate with clean water or eye-wash solution for at least 10 minutes, holding the eye lids apart. Obtain medical attention if irritation persists.

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Skin Contact: Remove contaminated clothing. Wash skin with soap and water. Obtain medical advice if skin irritation persists.

5. FIRE-FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressuredemand, and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol resistant foam.

Hazardous Combustible Products: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to: aldehydes, carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

Environmental precautions: Prevent liquid from entering drains, sewers or water courses and also basements and work pits. Absorb spillage on earth, sand or other absorbent material and dispose of via an authorized disposal contractor. If substance has entered a water course or sewer or has contaminated soil or vegetation.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Do not breathe vapor.

Ensure adequate ventilation. Take necessary action to avoid static electricity discharges (which may cause ignition of organic vapors).

Ensure eye wash bottle with clean water is readily available. Wash thoroughly after handling.

Storage: Store in a cool dry well-ventilated place away from oxidizing materials.

The material is hygroscopic; avoid moisture ingress by keeping containers tightly closed. Materials suitable for storage containers are mild steel, stainless steel, butyl rubber. Unsuitable materials are copper, copper alloys, most rubbers and most plastics.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Respiratory Protection: If vapors or mists are generated.

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Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: colorless viscous

Odor: Odorless

pH: Not available.

Boiling Point > 180 °C

Solubility: Soluble

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Product can decompose at elevated temperatures.

Incompatibility with Other Material: Avoid contact with oxidizing materials.

Hazardous Decomposition Products: When available oxygen is limited, as in a fire or when heated to very high temperatures by hot wire or plate, carbon monoxide and other hazardous compounds such as aldehydes might be generated.

11. TOXICOLOGICAL INFORMATION

No information available at this time.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH LOCAL REGULATIONS. Do not dispose of via sinks, drains or into the immediate environment.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of road and railway transport regulations.

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UN No.: Not Allocated

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 This product is not a hazardous

chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Pennsylvania Worker and Community Right-To-Know Act: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986) This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

16. OTHER INFORMATION

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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Caution

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct since it was obtained from sources we believe are reliable. However no representation, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle, or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion.