



Material Safety Data Sheet

SECTION 1: Chemical Product and Company Identification

Manufacturer: Cumberland Swan
One Swan Drive
Smyrna, TN 37167

Date: November 1999

Product: Glycerine, U.S.P.

Telephone: (615) 459-8900

24hr. Emergency: (615) 459-8900 ext. 5270

SECTION 2: Composition / Information in Ingredients

Name: Glycerine

CAS#: 56-81-5

SECTION 3: Hazards Identification

Colorless, odorless liquid that is slightly acidic. Hydrogen peroxide in this concentration is a mild oxidizer, prolonged exposure to elevated concentrations of vapors may result in irritation of the eyes, nose, and throat. Prolonged dermal exposure can result in mild skin irritation.

Potential Routes of Exposure: Ingestion, inhalation, dermal contact, eye contact

Target Organs: Eyes, respiratory system

Symptoms of Overexposure:

Inhalation: In the form of a mist, this product can act as an irritant.

Ingestion: While its oral toxicity in rodents is very low, large oral or parenteral doses in man may produce hemolysis, hemoglobinuria, renal failure, convulsions, and paralysis. It may cause an increase in blood sugar levels.

Dermal Contact: No known hazards

Acute Effects: Considered to be slightly irritating on an acute local basis.

Chronic Effects: Side effects from oral doses include headache, dizziness, insomnia, nausea, vomiting, diarrhea, and fever.

HMIS: H=1, F=1, R=0 See Section 8 for PPE information

SECTION 4: First Aid Measures

Eye: Flush eyes with copious amount of water for at least 15 minutes

Skin: Flush with water.

Ingestion: May induce vomiting. Consult medical personnel.

Inhalation: Remove victim to fresh air

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SECTION 5: Fire Fighting Measures

- Extinguishing Media Use water fog, alcohol foam, dry chemical or CO₂
- Unusual Fire or Explosion Hazards: Caution: Contact with strong oxidizing agents such as chromium trioxide, potassium chlorate, or potassium permanganate may produce an explosion.
- Recommendations: Can react violently with powerful oxidizers. This product will become dangerous when exposed to heat, flame, or powerful oxidizers.

SECTION 6: Accidental Release Measures

- Large Spills: Evacuate the area of unprotected personnel. Utilize appropriate level of personal protective equipment. Contain source if it is safe to do so. Dike or otherwise confine spilled product. Keep away from open flame.
- Small Spills: Dilute with large amounts of water. Dispose of in accordance with applicable local and federal regulations.

SECTION 7: Handling and Storage

- Storage Requirements: Store in tightly closed containers in a cool, dry area away from heat and other possible ignition source.
- Handling Precautions: Maintain appropriate class of fire extinguishers nearby in case of fire.

SECTION 8: Exposure Controls / Personal Protection

OSHA PEL=10 mg/m³ (TWA)

- Recommended Engineering Controls:** Use ventilation equipment as necessary.
- Recommended Admin Controls:** Train employees on hazards of glycerin.
- PPE:** Wear chemical goggles where the threat of exposure exists. Gloves should be worn if the user has sensitive skin or frequently use the product. Eye wash fountains should be provided for personnel in areas where eye exposure is possible.
- Recommended Hygiene Practices:** Clean PPE and work clothing contaminated with glycerin prior to reuse.

SECTION 9: Physical and Chemical Properties

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|------------------------|--------------------|--------------------------|----------|-----------------------|-----|
| Appearance: | Water/white liquid | Freezing Point: | No data | Autoignition: | N/A |
| Odor: | Odorless | Water Solubility: | Miscible | LEL: | N/A |
| Odor Threshold: | No Data | Molecular Weight: | No data | UEL: | N/A |
| Vapor Pressure: | Negligible | Specific Gravity: | 1.251 | Vapor Density: | N/A |
| Boiling Point: | 550 °F | Flash Point: | 349 °F | | |

SECTION 10: Stability and Reactivity

- Stability: Slightly unstable
- Polymerization: Will not occur
- Conditions to avoid: Heat, sparks, and open flame, contact with incompatible materials. Avoid strong oxidizers.
- Hazardous Products of Decomposition: Decomposition releases oxygen which may intensify fire.

SECTION 11: Toxicological Information

LD50: >10,000 mg/kg (dermal rabbit) LD50: 17,000-27,200mg/m3 (ingestion, rat)
LC50: >.57 mg/l (inhalation- rat)
Carcinogenicity: Not identified as a carcinogen by OSHA, IARC, or NTP
Mutgenicity: Not Indicated
Reproductive Effects: Not Indicated

SECTION 12: Ecological Information

Ecotoxicity: N/A **Environmental Fate:** N/A **Soil Absorption/Mobility:** Highly Mobile
Environmental Degradation: Should be removed readily from soils and water by
remediation.

SECTION 13: Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations.
Disposal Regulatory Requirements: Follow applicable federal, state and local
regulations.

SECTION 14: Transport Information

Shipping Name: Glycerin, U.S.P. (Non Hazardous)

SECTION 15: Regulatory Information

RCRA Hazardous Waste Number/Classification: N/A
CERCLA Substance: N/A
CERCLA Reportable Quantity: 10,000 lbs (Default)
SARA 311/312 Codes: N/A
SARA Toxic Chemical: N/A

SECTION 16: Other Information

Prepared by: Cumberland Swan

Source of Information: 29CFR1910.1000; NIOSH Pocket Guide to Chemical Hazards (1993);
Occupational Health Guidelines for Chemical Hazards; NFPA Guide to
Hazardous Materials - 10th Edition.

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