

BHS Marketing

Western Briquette

MATERIAL SAFETY DATA SHEET

Glycerine

Date: January 30, 2001

I Company Identification

Company Name: BHS Marketing / Western Briquette
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II Product Identification

Product Name: Glycerine 99.5% USP, Glycerol, 1,2,3, - Propantriol,
1,2,3, - Trihydroxypropane
Cas Number: 56-81-5

III Typical Physical Properties

Physical Appearance: Water white liquid
Boiling Point: 340 deg. F (171 deg. C)
Melting Point: 64 deg. F (18 deg. C)
Vapor Density: 3.1
Vapor Pressure: <0.001 mm Hg pressure at 25 deg. C
Solubility in Water: Soluble

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IV Reactivity Data

Chemical Stability: Generally stable
Conditions to Avoid: Avoid excessive heat and open flames. Glycerine is incompatible with strong acids and strong oxidizers. Contact with these materials may result in explosive or violent reactions

Hazardous
Decomposition
Products: Thermal decomposition releases corrosive fumes of acrolein. Decomposition results in carbon monoxide and carbon dioxide

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Hazardous

Polymerization: None likely

V Fire and Explosion Hazard Data

Flashpoint: 390 deg. F (199 deg. C) (closed cup)

Special Firefighting
Procedures:

(Individuals should perform only those fire fighting procedures for which they have been trained.) Water or foam may cause frothing when applied to flammable liquids having flash points above 212 deg. F (100 deg. C). The remark is included only as a precaution and does not mean that water or foam should not or could not be used in fighting fires in such liquids. The frothing may be quite violent and could endanger the life of the firefighter, particularly when solid streams are directed into the hot burning liquid. On the other hand, water spray carefully applied has frequently been used with success in extinguishing such fires by causing the frothing to occur only on the surface and this foaming action blankets and extinguishes the fire

Unusual Fire and
Explosion Hazards:

Firefighters should wear self-contained breathing apparatus in the positive-pressure mode with a full facepiece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products. Glycerine can react violently or explosively on contact with strong oxidizing

V Fire and Explosion Hazard Data-Continued

Autoignition Temperature: materials or strong acids
698 deg. F (370 deg. C)

NFPA Rating:

Health:	Fire:	Reactivity:
1	1	0

Acute:

Eye Contact: 126 mg of Glycerine applied to the eyes of rabbits in a draize test resulted in mild irritation

Skin Contact: Primary irritation index of Glycerine = 0.3. 500 mg of Glycerine applied to the skin of rabbits over a 24 hour period resulted in moderate irritation

Ingestion: LD50: 12.6 g/kg (rat); LD50: 4.1 g/kg (mouse); LD50: 7.8 g/kg (guinea pig)

Inhalation: Nuisance particulates have been reported for Glycerin mist

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VI Recommended First Aid Measures

Eye Exposure: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably by mouth-to-mouth. Get medical attention immediately

Skin Exposure: Wash affected area

Ingestion Exposure: Call a physician or poison control center promptly

VII Accidental Release Measures

Environmental Precautions: Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented

Waste Disposal: All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Avoid landfilling of liquids. Reclaim where possible

Clean up & Disposal of Spills: Wear appropriate respiratory protection and protective clothing as described below. Contain spilled material. Transfer to secure containers. Where necessary, collect

VII Accidental Release Measures-Continued

Control Measures: using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations

Provide adequate local exhaust ventilation to maintain concentrations below acceptable exposure criteria

VIII Handling & Storage

Storage: Store in a cool, dry, well ventilated area. The area should be protected from contamination by acid fumes. Provide adequate ventilation. Containers should be sealed as possible. Inspect periodically for deficiencies. The storage area should maintain integrity in the event of disaster. Isolate from acid storage and from areas using acid. Container hazardous when emptied. Since emptied containers retain product residues, all hazard precautions described on this MSDS must be observed

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IX Exposure Controls/ Personal Protection

Appropriate

Hygienic Practices: As part of good industrial, personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing. Maintain good housekeeping to control dust accumulations.

Personal Protection Equipment

Eye Protection: Wear safety glasses meeting the specifications of ANSI Standard Z87.1 where no contact with the eyes is anticipated. Chemical safety goggles meeting the specifications of ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes

Skin Protection: Wear gloves and protective clothing which are impervious to the product for the duration of anticipated exposure if there is potential for prolonged or repeated skin contact

Respiratory Protection: Where exposure is likely to exceed acceptable criteria, use NIOSH/OSHA approved respiratory equipment.

IX Exposure Controls/ Personal Protection-Continued

Respirators should be selected based on the form and concentration of contamination in air and in accordance with OSHA

X Additional Information

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its accuracy and/or completeness. User should consult experts in their review of this MSDS prior to use of the product.

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*n/a= Not Applicable