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MATERIAL SAFETY DATA SHEET  
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Page 1 of 7  
Revised 8/01/01  
Replaces 2/14/01  
As of 6/23/03

PRICERINE 9099 GLYCERINE 99.7%  
UNIQEMA  
MSDS ID: 807926  
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1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
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Material Name:  
PRICERINE 9099 GLYCERINE 99.7%

Uniqema  
Uniqema Corporate Center  
1000 Uniqema Boulevard  
New Castle, DE 19720-2790  
Uniqema Operator (24 hr.): (302) 574-5000  
Medical Emergency (24 hr.): (888) 456-6218  
Chemical Emergency (24 hr.) - Involving Transportation  
Spills, Leaks, Fires, or Accidents: (800) 424-9300

Uniqema is an international business of Imperial Chemical Industries PLC. Uniqema Operates through ICI affiliated companies in the relevant countries, such as ICI Americas Inc., Unichema, a division of Indopco Inc., and Mona Industries in the USA.

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2 COMPOSITION/INFORMATION ON INGREDIENTS  
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Ingredients	OSHA PEL
1,2,3-Propanetriol (CAS 56-81-5)	Not Listed

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Ingredients not precisely identified are proprietary or nonhazardous.

Values are not product specifications.

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3 HAZARDS IDENTIFICATION  
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General:

Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

Emergency Overview:

Appearance: Colorless liquid; odorless  
MAY BE HARMFUL IF SWALLOWED.

Routes of exposure: Eye contact; Skin contact; Inhalation

Symptoms of Overexposure (Acute & Chronic):

Eye contact:

No irritation is likely to develop following contact with human eyes.

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3 HAZARDS IDENTIFICATION (Cont.)  
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Skin contact:

No irritation is likely to develop following contact with human skin.  
This product will probably not be absorbed through human skin.

Inhalation:

No irritation is expected to be associated with inhalation of this material.  
No toxic effects are known to be associated with inhalation of this material.

Ingestion:

This material is not likely to cause irritation upon ingestion.  
This material may be harmful if swallowed.

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4 FIRST AID MEASURES  
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Eyes:

Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin:

Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention.

Ingestion:

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Inhalation:

Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

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5 FIRE FIGHTING MEASURES  
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Flashpoint and method: 350.6 deg.F, 177 deg.C (COC)  
Autoignition temperature: 752 deg.F, 400 deg.C  
Flammable limits (LEL/UEL): No data.

Extinguishing media:

Water fog, alcohol foam, carbon dioxide, or dry chemical agents.

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5 FIRE FIGHTING MEASURES (Cont.)  
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Special fire-fighting protective equipment:

Self-contained breathing apparatus with full facepiece and protective clothing.

Unusual fire and explosion hazards:

None known.

Explosion data:

Sensitivity to mechanical impact: Not applicable

Sensitivity to static discharge: Not applicable

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6 ACCIDENTAL RELEASE MEASURES  
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Refer to Section 8 for proper personal protective equipment.

Steps to be taken in case material is released or spilled:

Soak up material with absorbent and shovel into a chemical waste container.

Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility.

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7 HANDLING AND STORAGE  
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Storage requirements: 50-90 deg F in original closed container.

Precautions to take during handling and storage:

Do not swallow.

Normal chemical handling and storage.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION  
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Exposure limits:

No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.

Engineering controls:

Use ventilation adequate to maintain safe levels.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont.)  
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Eye protection:

Safety glasses with side shields.

Protective clothing:

Impervious gloves.

Respiratory protection:

Not normally needed if controls are adequate.

Other protective equipment:

Eyewash and safety shower easily accessible to the work area.

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9 PHYSICAL AND CHEMICAL PROPERTIES  
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Appearance & odor: Colorless liquid; odorless

Odor threshold: No data

Boiling point: 554 deg.F, 290 deg.C (1013 hPa)

Melting point: 64.4 deg.F, 18 deg.C

Vapor pressure (mm Hg at 20 deg. C): <0.01 hPa (20 deg. C); <1 hPa (100 deg. C)

Vapor density (air = 1): No data

Solubility in water: Miscible

pH: Neutral

Specific gravity: No data

% Volatile by volume: No data

Cloud point: No data

Viscosity: 1300 mPa.s (20 deg.C)

Partition Coefficient: -2.6 (calculated)

Coefficient of water/oil distribution: No data

Freezing point: 64.4 deg.C 18 deg.C

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10 STABILITY AND REACTIVITY  
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Stability:

Stable under normal conditions.

Incompatibility:

Oxidizing agents.

Conditions to avoid:

None known.

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10 STABILITY AND REACTIVITY (Cont.)  
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Hazardous decomposition products:

Combustion products: Carbon dioxide, carbon monoxide.

Hazardous polymerization:

Will not occur.

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11 TOXICOLOGICAL INFORMATION  
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The toxicity data listed below are based on the results of screening tests on this specific product.

Eye contact: This material is nonirritating in rabbit eye irritation studies; no irritation is likely to occur after human eye contact.

Skin contact: This material is nonirritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin.

Acute oral toxicity: This material is classified as "slightly toxic" by ingestion.

Carcinogenicity: This material is not listed as a carcinogen by OSHA, IARC, and NTP.

Reproductive toxicity/Teratogenicity: No available information.

Mutagenicity: No available information.

Toxicologically synergistic products: None known.

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12 ECOLOGICAL INFORMATION  
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The ecological information listed below is based on the results of screening tests.

Persistence and degradation: This product is completely biodegradable in water.

Toxicity: Not harmful to aquatic organisms.

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13 DISPOSAL CONSIDERATIONS  
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Disposal method:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container disposal:

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

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14 TRANSPORT INFORMATION  
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Department of Transportation:

Not regulated.

TDG (Transportation of Dangerous Goods):

Not regulated.

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15 REGULATORY INFORMATION  
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TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Chemical Substance Inventory.

DSL (Canadian Domestic Substances List):

All ingredients are listed on the Canadian DSL.

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:

Physical Hazards: None.

Health Hazards: None

WHMIS Classification:

Noncontrolled (Nonhazardous).

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):

This material contains the following chemicals subject to the reporting requirements of SARA 313:

\*\*\*\* NO SARA 313 CHEMICALS FOR THIS CHEMICAL \*\*\*\*

SARA 311/312 Hazard Categories:

Immediate: YES

Delayed: NO

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15 REGULATORY INFORMATION (Cont.)  
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Fire: NO  
Pressure: NO  
Reactivity: NO

State Regulations:  
None.

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16 OTHER INFORMATION  
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We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.\*

HMIS Information  
Health 1  
Flammability 1  
Reactivity 0

NFPA Information  
Health 1  
Flammability 1  
Reactivity 0

\*This information is intended solely for the use of individuals trained in the particular hazard rating system.

This Material Safety Data Sheet was prepared by Uniqema's Regulatory Services Department.  
Date: 11/29/00

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