

Distributed by:
Pacific Innovations
129 Seegers Ave
Elk Grove Village, IL 6007

Safety Data Sheet

7038

1 – PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME: PROPYLENE GLYCOL, USP/KOSHER
PRODUCT NUMBER: 674170, 674171, 674172, 674174, 674175
CHEMICAL NAME/CLASS/SYNONYMS: 1,2,3-PROPANEDIOL; 1,2-DIHYDROXYPROPANE

RECOMMENDED USE: INDUSTRIAL, MANUFACTURING OR LABORATORY USE

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2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Skin Corrosion/Irritation (3)
Serious Eye Damage/Eye Irritation (2B)

GHS LABEL:



SIGNAL WORD: Warning

HAZARD STATEMENTS:

H316: Causes mild skin irritation
H320: Causes eye irritation

PRECAUTIONARY STATEMENTS:

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

3 – COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE:

CHEMICAL NAME
PROPYLENE GLYCOL

CAS NUMBER
57-55-6

Wt/Wt%
100%

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4 – FIRST-AID MEASURES

INHALATION: Remove the victim into fresh air. Respiratory problems: Seek immediate medical attention.

EYE CONTACT: Rinse eyes gently with water for at least 15 minutes while holding eyelids apart. Remove contact lenses, if present and easy to do - continue rinsing. Seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash exposed area with water. If symptoms persist, seek medical attention. Wash contaminated clothing before reuse.

INGESTION: Rinse mouth. Do not induce vomiting! If individual is drowsy or unconscious, do not give anything by mouth. If possible, do not leave individual unattended. Seek immediate medical attention, if necessary.

NOTE TO PHYSICIANS: N.A.

5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use appropriate media on adjacent fire. Cool unopened containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes (carbon oxides) under fire conditions.

SPECIAL FIRE FIGHTING PROCEDURES: Use standard firefighting procedures and consider the hazards of other involved materials. Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Exercise caution when fighting any chemical fire.

6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:... Wear protective equipment.

ENVIRONMENTAL PRECAUTIONS: Prevent contamination of soil, drains or surface water, use appropriate containment method to avoid environmental contamination.

MEASURES FOR CONTAINMENT AND CLEANING UP: Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 – HANDLING and STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols.

PRECAUTIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Store in a cool, dry, well ventilated area. The material is hygroscopic and light sensitive. Keep containers tightly closed. Keep away from heat. Keep away from incompatible materials.

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8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:

COMPONENT (CAS NUMBER): Propane-1,2-diol
AIHA..... 10 mg/m³ WEEL (Workplace Environmental Exposure Levels)

APPROPRIATE ENGINEERING CONTROLS:.....Provide sufficient mechanical (general and/or local exhaust) ventilation to keep exposure to airborne contaminants below the exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: If exposure levels are excessive, use an approved respirator.

SKIN PROTECTION: Avoid skin contact. Wear gloves impervious to conditions of use. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. A safety shower should be located in the work area.

EYE PROTECTION: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

ADDITIONAL MEASURES: Ensure that eyewash stations and safety showers are close to the workstation location.

9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE/ODOR: Clear viscous liquid / Practically odorless

ODOR THRESHOLD: N.A.

pH: N.A.

MELTING/FREEZING POINT: -59°C (-74.2°F)

BOILING POINT/RANGE:..... 188°C (370.4°F)

FLASH POINT:..... 103°C (217°F)-closed cup

EVAPORATION RATE:..... N.A.

FLAMMABILITY: May be flammable at high temperature.

LOWER EXPLOSIVE LIMIT: .. 2.6%

UPPER EXPLOSIVE LIMIT: 12.5%

VAPOR PRESSURE:..... 0 hPa (@ 20°C) 0.08 mmHg @ 20°C

VAPOR DENSITY (AIR=1):.... 2.62

SPECIFIC GRAVITY OR RELATIVE DENSITY:...N.A.

SOLUBILITY(IES): Soluble in cold water, hot water, acetone.

PARTITION COEFFICIENT: ... N.A.

AUTOIGNITION TEMP: N.A.

DECOMPOSITION TEMP: N.A.

10 – STABILITY and REACTIVITY

STABILITY:..... Stable.

POSSIBILITY OF HAZARDOUS REACTIONS:.....N.A.

CONDITIONS TO AVOID:..... Excess heat, exposure to moist air or water.

INCOMPATIBLE MATERIALS:..... Oxidizing agents, acids, alkalis, chloroformates, caustics, aliphatic amines, isocyanates, acid anhydrides, silver nitrate, reducing agents.

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HAZARDOUS DECOMPOSITION PRODUCTS:.....Carbon oxides.

11 – TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation, ingestion, skin and/or eye contact.

SYMPTOMS OF EXPOSURE:

SKIN CONTACT: May be harmful if absorbed through skin. May cause skin irritation.

EYE CONTACT: May cause irritation

INHALATION: May be harmful if inhaled. May cause respiratory tract irritation.

INGESTION: Harmful if ingested.

ACUTE TOXICITY:

LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION:

ORAL LD50 Rat 20000 mg/kg

DERMAL LD50 Rabbit 20800 mg/kg

INHALATION LC50 N.A.

OTHER LD50 Intramuscular - rat - 14 g/kg

LD50 Intravenous - dog - 26 g/kg

LD50 Intraperitoneal - rat - 6,660 mg/kg

LD50 Subcutaneous - rat - 22,500 mg/kg

LD50 Intravenous - rat - 6,423 mg/kg

LD50 Intraperitoneal - mouse - 9,718 mg/kg

LD50 Subcutaneous - mouse - 17,370 mg/kg

LD50 Intravenous - mouse - 6,630 mg/kg

LD50 Intravenous - rabbit - 6,500 mg/kg

ADDITIONAL TOXICOLOGICAL INFORMATION:

CARCINOGENIC CATEGORIES:

IARC No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CHRONIC TOXICITY

May cause damage to central nervous system (CNS)

TERATOGENICITY

May cause adverse reproductive effects and birth defects.

MUTAGENICITY

May affect genetic material.

EMBRYOTOXICITY

Not Available

SPECIFIC TARGET ORGAN TOXICITY

Not Available

REPRODUCTIVE TOXICITY

Not Available

RESPIRATORY/SKIN SENSITIZATION

Not Available

12 – ECOLOGICAL INFORMATION

ECOTOXICITY (AQUATIC AND TERRESTRIAL, WHERE AVAILABLE):

Aquatic vertebrate Mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 hours

Aquatic Invertebrate Mortality NOEC - Daphnia magna (water flea) - 13,020 mg/l - 48 hours EC50 -

Daphnia magna (water flea) - >10,000 mg/l - 48 hours

Terrestrial

Not available

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PERSISTENCE AND DEGRADABILITY:N.A.
BIOACCUMULATIVE POTENTIAL:.....N.A.
MOBILITY IN SOIL:..... N.A.
OTHER ADVERSE EFFECTS: . N.A.

13 -DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:..... Product should be disposed in an environmentally safe manner in accordance with local, state and federal regulations.
UNCLEANED PACKAGING:....'Empty' containers retain residue (liquid and/or vapor) and may be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. 'Empty' drums should be completely drained, properly bunged and should be disposed of in an environmentally safe manner and in accordance with local, state and governmental regulations. For work on tanks, please refer to Occupational Safety and Health Administration regulations. ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other governmental and industrial contemplated operations.

14 – TRANSPORTATION INFORMATION

UN/NA NUMBER: N.A.
UN PROPER SHIPPING NAME: Not classified according to the United Nations
Not classified as hazardous under DOT or US Transport Recommendations.
TRANSPORT HAZARD CLASS:N.A.
PACKAGING GROUP : N.A.
MARINE POLLUTANT:..... N.A.
REPORTABLE QUANTITY:.... N.A.
SPECIAL PRECAUTIONS: N.A.

15 – REGULATORY INFORMATION

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SARA Title III Chemical Listings:

SARA 302 Not Listed
SARA 304 Not Listed
SARA 311 No SARA Hazards
SARA 312 No SARA Hazards
SARA 313 Not Listed

TSCA STATUS: TSCA Inventory Status All ingredients are listed on the TSCA inventory.
DSCL (EEC) All ingredients are listed on the DSCL inventory.
California Proposition 65 Not Listed

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16 – OTHER INFORMATION

PREVIOUS SDS REVISION DATE: 5/15/15

ABBREVIATIONS AND ACRONYMS:

ACGIH - American Conference of Governmental Industrial Hygienists
CAS - Chemical Abstract Service Number
DOT – U.S. Department of Transportation
IDLH – Immediately dangerous to life and health
N.A. – Not Available
NIOSH - National Institute of Occupational Safety and Health
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL – Permissible exposure Limit
ppm – Parts per million
RCRA – Resource Conservation and Recovery Act
SARA – Superfund Amendments and Reauthorization Act
TLV – Threshold Limit Value
TSCA – Toxic Substances Control Act

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