

**DYNAMIC INTERNATIONAL ENTERPRISES LTD.****MSDS****PROPYLENE GLYCOL MONOMETHYL ETHER**

---

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

Product Name : Propylene glycol monomethyl ether

## MANUFACTURE/DISTRIBUTOR

DYNAMIC (NANJING) CHEMICAL INDUSTRY CO., LTD

1-A22-1 BAILONG ROAD, NANJING CHEMICAL INDUSTRY PARK, CHINA

Telephone: 0086-25-58391532

Fax: 0086-25-58392798

Postcode: 210047

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>components</u>	<u>CAS REG NO</u>	<u>WEIGHT (%)</u>
Propylene glycol monomethyl ether	107-98-2	100

**3. HAZARDS IDENTIFICATION**

Hazard classification: Flammable liquid and irritant.

Primary Routes Of Exposure

Eye. Skin. Inhalation (breathing).

Acute health effects:

Eye Contact: May cause slight to mild irritation.

Skin Contact: May cause slight to mild irritation. Prolonged or repeated contact may dry the skin and lead to irritation (i.e. dermatitis).

Inhalation: Irritating to the eyes, nose, and respiratory tract. Can cause dizziness, headaches, and incoordination. Nausea, vomiting, and stomach upset can occur. Can cause anesthetic and/or narcotic effects.

Ingestion: Irritating to the mouth, throat, and stomach. May cause nausea, vomiting, pain, and stomach upset (e.g., diarrhea). Can cause dizziness, faintness, headache, and incoordination.

Target Organs/Chronic Effects

Liver. Kidneys. Nervous system. Eyes. Skin.

Conditions Aggravated By Exposure

Liver. Kidneys. Skin.

**4. FIRST AID MEASURES**

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact: Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.

Inhalation: Remove to fresh air. If symptoms develop, seek immediate medical attention.

If not breathing, give artificial respiration.

Ingestion: Seek medical attention. Immediately induce vomiting, as directed by medical personnel. Never give anything by mouth to an unconscious person.

Notes To Physicians: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

## 5. FIRE FIGHTING METHODS

Flash Point : 90F 32.2C Cleveland Closed Cup

Explosive Limits: LEL(%) 1.6; UEL(%) 13.8

Hazardous Combustion And Decomposition Products: Smoke, soot, and toxic/irritating fumes (i. e., carbon dioxide, carbon monoxide, etc.).

Fire And Explosion Hazards: High temperatures can cause sealed containers to rupture due to a build up of internal pressure. Cool with water. Vapors can travel to a source of ignition (flame, electric motor, hot surface, cigarette, etc.) and flash back.

Extinguishing Media:

SMALL FIRES: Dry chemical, carbon dioxide, water spray, or foam.

LARGE FIRES: Water spray, fog, or alcohol foam.

Fire Fighting Procedures/Equipment: Fire fighters should be equipped with approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

Release Measures

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

Clean-Up/Personal Protection Equipment:

Appropriate safety measures and protective equipment should be used. Use supplied air respirator or self-contained breathing apparatus in enclosed spaces or if airborne exposure limits can be exceeded. See Section 8.

Collection And Disposal:

Stop discharge, if safe to do so. Use proper protective equipment. Use non-sparking tools and/or explosion-proof equipment. Stop ignition sources. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state regulations.

## 7. HANDLING AND STORAGE

Storage Conditions

Store in cool, dry, well ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed. WARNING: Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air.

Transfer

Containers should be supported and grounded before opening, dispensing, mixing, pouring, and emptying. Open with non-sparking tools. If container is warm, open bung

slowly to release internal pressure.

#### Personal Hygiene

Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles faceshield, and gloves. Professionally launder contaminated clothing before re-use.

#### Empty Container Precautions

Since empty containers may retain product residues. Do not use heat, sparks, open flames, torches, cigarettes on or near empty container. Do not reuse empty container without professional cleaning.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Guidelines

CHINA: none-regulated

ACGIH - TLV: 100 ppm

ACGIH - STEL:150 ppm

#### Engineering Controls/Ventilation

Local exhaust ventilation is recommended when vapors, mists, or dusts can be released in excess of established airborne exposure limits (TLVs or PELs).

#### Eye Protection

Wear chemical splash goggles. An eye wash facility should be readily available.

#### Skin Protection

Wear protective clothing and appropriate impervious gloves.

#### Respiratory Protection

Avoid breathing vapor and/or mists. Wear approved equipment. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance. . . . .	Colorless
Odor. . . . .	Characteristic
Physical State. . . . .	Liquid
Solubility. . . . .	Completely soluble
pH. . . . .	Not Applicable
Boiling Point . . . . .	248F 120C
Freeze/Melt . . . . .	-139F -95C
Vapor Density . . . . .	3.11
Specific Grvty. . . . .	0.92

### 10. STABILITY AND REACTIVITY

#### Chemical Stability

Stable under normal conditions of use.

#### Hazardous Polymerization

Will not occur.

#### Conditions To Avoid

High temperatures.

Incompatibility With Other Materials  
Oxidizers.

## 11. TOXICITY INFORMATION

Product

Oral LD50	Rat	5,660 mg/kg
	Mouse	11,700 mg/kg
	Rabbit	5,700 mg/kg
Dermal LD50	Rabbit	13,000 mg/kg
Inhalation LC50	Guinea pig	15,000 ppm/7-Hours

Carcinogenicity

	ACGIH	IARC	NTP	OSHA
Propylene glycol monomethyl ether	No	No	No	No

## 12. ECOLOGICAL INFORMATION

No data are available on this product.

## 13. DISPOSAL CONSIDERATIONS

Disposal

Dispose in accordance with all local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

China

Shipping name : Flammable liquid, n. o. s. ( Propylene glycol monomethyl ether)

CH No : 33648

UN number : 3092

Packing group : III

DG Class : 3.3

## 15. REGULATORY INFORMATION

CHINA STATUS:

Each ingredient is listed in the inventory of existing chemical substance of EPA.

DG code: 33648(GB12268-90).

TSCA Status(USA):

Each ingredient is on the Inventory.

## 16. OTHER INFORMATION

The information on this data sheet represents our current data to the proper use in handling of this product under normal conditions. It is user's responsibility to prepare the safety practice in using this product.

-----  
Prepared by Shanghai Center of Toxic Chemicals Information & Consultation,  
E-mail:chemaid@online.sh.cn,