

## Safety Data Sheet

### TRIETHYLENE GLYCOL DI(2-ETHYLHEXANOATE)

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## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers

Chemical Name TRIETHYLENE GLYCOL  
DI(2-ETHYLHEXANOATE)

CAS NO. 94-28-0

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

1. It is used in synthesis of photosensitive resin
2. This product is widely used in PVB safety film, synthetic rubber, vinyl resin, PVC.PS.
3. This product is recommended polyvinyl butaldehyde (PVB safety film) and synthetic rubber

### Details of the supplier of the safety data sheet

#### COMPANY

POLYMER ADD (THAILAND) CO., LTD.  
106, Chalarempriat, Lor 9, Soi 22, Yak  
5,Nongbon, Prawet,Bangkok  
Bangkok - 10250  
Thailand  
Telephone : 0804531391  
Email - contact@polymeradd.co.th

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements None required

### 2.3 Other hazards

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

#### Component

Chemical Name TRIETHYLENE GLYCOL DI(2-ETHYLHEXANOATE)

CAS NO 94-28-0

EC Number 202-319-2

Molecular Formula C22H42O6

Molecular Weight 402.57

Concentration

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

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<b>If inhaled</b>	Remove from exposure, lie down. Remove to fresh air
<b>In case of skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention.
<b>In case of eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>If swallowed</b>	Clean mouth with water. Get medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Chemical foam

**5.2 Special hazards arising from the substance or mixture** Keep product and empty container away from heat and sources of ignition.

### 5.3 Advice for firefighters

### 5.4 Further information

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. See Section 12 for additional Ecological Information.

### 6.2 Environmental precautions

No data available

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

No data available

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

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Avoid contact with skin and eyes. Do not breathe mist/vapors/spray.

#### 7.2 Information about protection against explosions and fires

No data available

#### 7.3 Conditions for safe storage including any incompatibilities

Keep in a dry, cool and well-ventilated place. Refer product specification and/or product label for specific storage temperature requirement. Keep container tightly closed.

#### 7.4 Specific end use(s)

No data available

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

### 8.2 Exposure control

This product does not contain any hazardous materials with occupational exposure limits established by

#### Appropriate engineering controls

None under normal use conditions.

#### Eye/face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

#### Skin protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

#### Body Protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

#### Respiratory protection

No protective equipment is needed under normal use conditions.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Light yellow liquid
b) Odour	No information available
c) Odour Threshold	No information available
d) pH (% solution in water)	No information available
e) Melting point/freezing point	-50 °C / -58 °F
f) Initial boiling point and boiling range	344 °C / 651.2 °F @ 760 mmHg

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g)Flash point	> 110 °C / > 230 °F
h)Evaporation rate	No information available
i)Flammability (solid or gas)	Not applicable
j)Upper/lower flammability or explosive limits	Not applicable
k)Vapour pressure	No information available
l)Vapour density	No information available
m)Relative density	No data available
n)Water solubility	Insoluble in water
o)Partition coefficient: n-octanol/water	No data available
p)Autoignition temperature	385 °C / 725 °F
q)Decomposition temperature	No information available
r)Viscosity	15.8 mPa.s at 20 °C

## 9.2 Other safety information

### 10 STABILITY AND REACTIVITY

10.1 Reactivity	None known, based on information available
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	
10.4 Conditions to avoid	Incompatible products.
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	Carbon monoxide (CO), Carbon dioxide (CO2)

### 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>	LD50 = 31 g/kg ( Rat )
<b>Acute Inhalation toxicity</b>	Not listed
<b>Acute dermal toxicity</b>	LD50 = 14100 µL/kg ( Rabbit )
<b>Acute Irritation / corrosion toxicity</b>	No information available
<b>Respiratory or skin sensitization</b>	No information available
<b>Germ cell mutagenicity</b>	No information available
<b>Carcinogenicity</b>	No information available
<b>Reproductive toxicity</b>	No information available

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<b>Specific target organ toxicity - single exposure</b>	None known
<b>Specific target organ toxicity - repeated exposure</b>	None known
<b>Aspiration hazard</b>	No information available

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

### 12.2 Persistence and degradability

#### Biodegradation

Insoluble in water

### 12.3 Bio accumulative potential

No information available.

### 12.4 Mobility in soil

Is not likely mobile in the environment due its low water solubility

### 12.5 Results of PBT and vPvB assessment

### 12.6 Other adverse effects

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

## 14 TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID	IMDG	IATA
-	-	-

### 14.2 UN proper shipping name

ADR/RID	IMDG	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA
-	-	-

### 14.4 Packaging group

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ADR/RID

IMDG

IATA

-

-

-

#### 14.5 Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

no

no

no

#### 14.6 Special precautions for user

### 15 REGULATORY INFORMATION

#### 15.1 Safety health and environmental regulations/legislation specific for the substance or mixture

No data available

#### 15.2 Chemical Safety Assessment

No data available

### 16 OTHER INFORMATION

Month of Creation

March 2023

Month of Revision

March 2027