

## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 1/8

Version : 3.0

NUMBER

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

### 1.1 Product identifiers

Chemical Name Alkyl (C12-C14) Glycidyl Ether  
CAS NO. 68609-97-2

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

1. C12-C14 alkyl glycidyl ether is an epoxy reactive diluent with low viscosity and toxicity.
2. C12-C14 alkyl glycidyl ether is used in many paint and coatings applications such as appliance paint, boat paint, building coating, car paint, paper coating, plastic coating, and rubber coating.

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

#### COMPANY

POLYMER ADD (THAILAND) CO., LTD.  
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Bangkok - 10250  
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## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Human Health Skin irritation (Category 2), H315  
Skin sensitisation (Category 1), H317  
For the full text of the H-Statements mentioned in this Section, see Section 16.

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

#### Pictogram



#### Signal word

Warning

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

P280

Wear protective gloves.

According to European Directive 67/548/EEC as amended

none

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 2/8

Version : 3.0

NUMBER

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

#### Component

<b>Chemical Name</b>	Alkyl (C12-C14) Glycidyl Ether
<b>CAS NO</b>	68609-97-2
<b>EC Number</b>	271-846-8
<b>Molecular Formula</b>	C48H96O6
<b>Molecular Weight</b>	769.3 g/mol
<b>Concentration</b>	<= 100 %

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician.

Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air.  
If not breathing, give artificial respiration.  
Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water.  
Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person.  
Rinse mouth with water.  
Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or

Nature of decomposition products not known

## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 3/8

Version : 3.0

NUMBER

mixture

5.3 **Advice for firefighters** Wear self-contained breathing apparatus for firefighting if necessary

5.4 **Further information** No data available

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions protective equipment and emergency procedures

Use personal protective equipment.  
Avoid breathing vapours, mist or gas.  
Ensure adequate ventilation.  
For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

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

Soak up with inert absorbent material and dispose of as hazardous waste.  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes.  
Avoid inhalation of vapour or mist.  
For precautions see section 2.2.

### 7.2 Information about protection against explosions and fires

No data available

### 7.3 Conditions for safe storage including any incompatibilities

Store in cool place.  
Keep container tightly closed in a dry and well-ventilated place.

### 7.4 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.

## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 4/8

Version : 3.0

NUMBER

#### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

#### Skin protection

Handle with gloves.

Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

#### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not let product enter drains.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

a)Appearance	colourless liquid
b)Odour	No data available
c)Odour Threshold	No data available
d)pH (% solution in water)	No data available
e)Melting point/freezing point	Freezing point: -24.99 °C - OECD Test Guideline 10
f)Initial boiling point and boiling range	No data available
g)Flash point	113 °C - closed cup
h)Evaporation rate	No data available
i)Flammability (solid or gas)	No data available
j)Upper/lower flammability or explosive limits	No data available

## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 5/8

Version : 3.0

NUMBER

k)Vapour pressure	ca.0.00018 hPa at 20 °C - OECD Test Guideline 104
l)Vapour density	No data available
m)Relative density	0.89 g/cm <sup>3</sup> at 25 °C - lit.
n)Water solubility	ca.0.00048 g/l at 20 °C - OECD Test Guideline 105
o)Partition coefficient: n-octanol/water	log Pow: 3.77 at 20 °C - OECD Test Guideline 107
p)Autoignition temperature	No data available
q)Decomposition temperature	No data available
r)Viscosity	No data available
s)Explosive properties	No data available
t)Oxidizing properties	No data available

## 9.2 Other safety information

Bulk Density	No data available
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## 10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under recommended storage conditions
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Oxidizing agentsStrong oxidizing agents, acids, Bases
10.6 Hazardous decomposition products	Other decomposition products - No data available

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute oral toxicity</b>	LD50 Oral - Rat - female - > 2.000 mg/kg
<b>Skin corrosion/irritation</b>	Skin - Rabbit Result: Irritating to skin. - 24 h (OECD Test Guideline 404)
<b>Serious eye damage/eye irritation</b>	Eyes - Rabbit Result: Mild eye irritation (OECD Test Guideline 405)
<b>Respiratory or skin sensitization</b>	Buehler Test - Guinea pig Result: May cause sensitisation by skin contact.

## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 6/8

Version : 3.0

NUMBER

<b>Germ cell mutagenicity</b>	Hamster ovary Result: negative Mutagenicity (micronucleus test) Mouse - male and female Result: negative
<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>RTECS</b>	Not available

#### Signs And Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated., Dermatitis

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity to fish	static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 5.000 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 7.2 mg/l - 48 h
Toxicity to Algae/Aquatic plants	Growth inhibition IC50 - Pseudokirchneriella subcapitata (algae) - 843.75 mg/l - 72 h

### 12.2 Persistence and degradability

#### Biodegradation

aerobic - Exposure time 28 d Result: 34.7 % - Not biodegradable (OECD Test Guideline 301D)

12.3 Bio accumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects	No data available

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## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 7/8

Version : 3.0

NUMBER

#### 13 DISPOSAL CONSIDERATIONS

##### 13.1 Waste treatment methods

###### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

###### Contaminated packaging

Dispose of as unused product.

#### 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

###### ADR/RID

###### IMDG

###### IATA

-

-

-

##### 14.5 Environmental hazards

###### ADR/RID

###### IMDG Marine pollutant

###### IATA

no

no

no

##### 14.6 Special precautions for user

No data available

#### 15 REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

##### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

#### 16 OTHER INFORMATION

H317

May cause an allergic skin reaction.

# Polymer Add (Thailand) Co; Ltd.



## Safety Data Sheet

### ALKYL (C12-C14) GLYCIDYL ETHER

Revision date :

Page: 8/8

Version : 3.0

NUMBER

Month of Creation April 2020.

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