

# ALKYL(C12-C14) GLYCIDYL ETHER

## Safety Data Sheet

According to OSHA Hazard Communication Standard 29 CFR 1910.1200  
Date of issue:03/19/2019 Updated: 04/01/2022 Version: 4.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : ALKYL(C12-C14) GLYCIDYLETHER

#### 1.2. Recommended use and restrictions on use

Main use category : Epoxy resin thinner  
Restrictions on use : No information available.

#### 1.3. Supplier

Manufacturer : MIT-IVY INDUSTRY CO.,LTD  
Address : SHIMAO PLAZE YUNLONG DISTRICT XUZHOUJIANGSU, CHINA  
Postal code : 221100  
Phone : +86-13805212761  
Web : <https://www.mit-ivy.com/>  
E-mail : INFO@MIT-IVY.COM

#### 1.4. Emergency telephone number

+86-0516-83769139

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin corrosion/irritation, Category 2  
Skin sensitisation, Category 1

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning

Hazard statements (GHS US) : Causes skin irritation.  
May cause an allergic skin reaction.

Precautionary statements (GHS US) : Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash hands, forearms and face thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace  
Wear protective gloves/protective clothing/eye protection/faceprotection.  
If on skin: Wash with plenty of water/...  
Specific treatment (see supplemental first aid instruction on this label)  
If skin irritation occurs: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
Wash contaminated clothing before reuse.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%
Alkyl (C12-14) glycidyl ether	(CAS-No.) 68609-97-2	68 - 82
C12-C14 ALCOHOL	CAS No. 80206-82-2	18 - 32

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show directions for use or safety data sheet if possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection. If breathing is difficult, oxygen should be administered by qualified personnel.
First-aid measures after skin contact	: Wash skin with plenty of water and take off contaminated clothing; If skin irritation or rash occurs: Get medical advice/attention; Wash contaminated clothing before reuse
First-aid measures after eye contact	: Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.; Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
First-aid measures after ingestion	: If swallowed, rinse mouth; Do not induce vomiting unless directed to do so by medical personnel.; Give nothing or a little water to drink; Never give anything by mouth to an unconscious person; If you feel unwell, seek medical advice;

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Causes skin irritation. May cause an allergic skin reaction.
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### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water fog, foam, extinguishing powder, carbon dioxide
Unsuitable extinguishing media	: No information available.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	May form dangerous gases and vapours in case of fire. Carbon monoxide and carbon dioxide.
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### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Evacuate personnel to a safe area. Move containers from fire area if it can be done without personal risk. Cool tanks/drums with water spray/remove them into safety. Stay upwind.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate personnel to a safe area; Ensure adequate ventilation, especially in confined areas; No flames, no sparks. Eliminate all sources of ignition. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and inhalation of vapors
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.
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Emergency procedures : Stop leak if safe to do so. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing

### 6.2. Environmental precautions

Avoid release to the environment. Avoid dispersal of spilled material and runoff and contact with soil, water ways, drains and sewers.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Sweep or shovel spills into appropriate container for disposal. Move containers from spill area. If electrolyte leaks or spills, collect all released material in an appropriate container before proper disposal.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Alkyl (C12-14) glycidyl ether (68609-97-2)

Not applicable

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Remove all sources of ignition.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear appropriate safety gloves

#### Eye protection:

Use appropriate safety glasses when there is the risk of splash

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Colour : Colourless  
Odour : Mild  
Odour threshold : No data available  
pH : No data available

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Melting point	: -25 ° C (OECD102)
Boiling point	: Decomposition > 268 ° C (OECD 103)
Flash point	: 159 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: at 20 °C: 0.018 Pa (OECD 104) at 30 °C: 0.05 Pa at 40 °C: 0.15 Pa (OECD 104) at 55 °C: 0.65 Pa at 70 °C: 2 Pa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: at 20 °C: 0.89 g/ml (OECD 109)
Solubility	: at 30 °C: 0.483 mg/L (OECD 105)
Log Pow	: at 20 °C: 3.77 log P(o/w) (OECD 107) An appreciable bioaccumulation potential is to be expected (log P(o/w) >3).
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: at 20 °C: 9.97 mPa*s (OECD 114) at 40 °C: 5.84 mPa*s (OECD 114)
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with incompatible materials

### 10.5. Incompatible materials

Strong oxidizing agents, oxidizing agents, acids, bases

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Alkyl (C12-14) glycidyl ether (68609-97-2)	
LD50 oral rat	17100 mg/kg
LD50 dermal rabbit	> 3987 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Alkyl (C12-14) glycidyl ether (68609-97-2)	
LC50 Fish	> 5000 mg/l
EC50 Daphnia magna	6.07 mg/L/48h
IC50 Algae	843.75 mg/L/72h

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.  
GWPmix comment : No known effects from this product.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not regulated

#### Transportation of Dangerous Goods

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

Alkyl (C12-14) glycidyl ether (68609-97-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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### 15.2. International regulations

#### CANADA

##### Alkyl (C12-14) glycidyl ether (68609-97-2)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

##### Alkyl (C12-14) glycidyl ether (68609-97-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### National regulations

##### Alkyl (C12-14) glycidyl ether (68609-97-2)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

### 15.3. US State regulations

No additional information available

## SECTION 16: Other information

Issue date : 2019/03/19  
Revision date : 2022/01/04

Key or legend to abbreviations and acronyms used in the safety data sheet

TDG : Transport of Dangerous Goods  
ADR : European Agreement Concerning the International Carriage of Dangerous Goods by Road  
IMDG : International Maritime Dangerous Goods  
IATA : International Air Transport Association  
ADN : European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterway  
RID : Regulations Concerning the International Carriage of Dangerous Goods by Rail  
PBT : Persistent, Bioaccumulative and Toxic  
vPvB : Very Persistent and Very Bioaccumulative  
DNEL : Derived No Effect Level  
PNEC : Predicted No Effect Concentration  
LC50 : Lethal Concentration 50  
LD50 : Lethal Dose 50  
EC50 : Effective Concentration 50  
TWA : Time Weighted Average  
STEL : Short Term Exposure Limit

Key literature references and sources for data

ECHA: <http://echa.europa.eu/>

IFA GESTIS: [http://gestis-en.itrust.de/nxt/gateway.dll?f=templates\\$fn=default.htm\\$vid=gestiseng:sdbeng](http://gestis-en.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng)

HSDB: <http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

ICSC: <http://www.ilo.org/dyn/icsc/showcard.home>

eChemPortal: [http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en)

NITE-CHRIP: [http://www.nite.go.jp/en/chem/chrip/chrip\\_search/srhInput](http://www.nite.go.jp/en/chem/chrip/chrip_search/srhInput)

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*