

# SAFETY DATA SHEET

In According with 3rd revision GHS SDS

## Section 1 – Identification of the Substance and Company

Product Name : A4749  
 Identified Uses : Blending Polyol for Polyurethane Application  
 Chemical Name : -  
 Chemical Formula : Not available  
 Manufacturer : IRPC POLYOL CO., LTD.  
 299 Moo 5, Sukhumvit Road, Churngnern,  
 Muang, Rayong 21000 , THAILAND  
 Emergency Call : +66(0) 38802560  
 Website : www.irpc.co.th, www.irpcmarket.com

## Section 2 – Hazardous Identification

### Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Acute Toxicity Category 4 (> 94% unknown)

Signal word : Warning

Pictograms :



Hazard Statements : H302 Harmful if swallowed  
 Precautionary Statements : P264 Wash hands thoroughly after handling  
 P270 Do not eat, drink or smoke when using this product  
 P280 Wear protective gloves/protective clothing/eye protection  
 P301+P312 If swallowed : call a poison center or doctor/physician if you feel unwell  
 P330 Rinse mouth  
 P501 Dispose of contents/containers in accordance with local regulation

## Section 3 – Composition / Information on Ingredients

Chemical name	CAS Number	EC Number	Composition
Poly (propyleneoxy) sucrose	009049-71-2	500-029-3	> 90 %
Siloxanes and Silicones, polyoxyalkylene-	-	-	> 1.0 %
Dimethylcyclohexylamine	98-94-2	202-715-5	> 2.0 %

System : Foam  
REV. 19 December 2011

## Section 4 – First-aid Measures

General information	: Clothing and shoes must be immediately removed, decontaminated
Skin Exposure	: Wash with a cleanser base on polyethylene glycol or with plenty of water and soap for 15 minutes. Consults doctor in the event of a skin reaction.
Eyes Exposure	: Hold the eye open and rinse with water for a sufficiently long period of time (20 - 30 min.) Then immediately consult doctor.
Inhalation	: Move to fresh air and keep warm, if there is difficulty in breathing, medical advice is required.
Ingestion	: Rinse mouth, drink plenty of water and then obtain a medical attention

## Section 5 – Fire-fighting Measures

Suitable extinguishing agents	: CO <sub>2</sub> , Powder, Foam or water spray.
Hazards during fire-fighting	: Carbon monoxide, carbon dioxide and other toxic gas.
Protective equipment	: Wear self-contained respiratory protective device.

## Section 6 – Accidental Release Measures

Personal Precautions	: Wear protective equipment. Keep unprotected persons away.
Environmental Precautions	: Beware the contamination in sewers/surface or ground water.
Cleanup	: Adsorb with liquid-binding material (sand, clay, inert material, diatom etc.)

## Section 7 – Handling and Storage

Handling	: Observe the usual precautionary measures for chemicals. Exhaust ventilation must be provided in such a way from the personnel handling the product and the efficiency of the exhaust equipment should be periodically checked.
Storage conditions	: Store in cool location and ventilated place. : Do not store with isocyanate chemical closely. : Keep container tightly sealed. This product is hygroscopic : Beware heat, spark and open flame

## Section 8 – Exposure Controls / Personal Protection

- Monitoring procedures : Medical supervision of all employees who handle or come in contact is recommended.
- Exposure controls : The Product does not contain any relevant quantities of materials with critical values that be monitored at the workplace.

### Personal protective equipments

- Respiratory protection : Suitable respiratory protective device recommended.
- Eye protection : Safety glass is required.
- Protective clothing : Use good personal hygiene practices, wash hand before eating, drinking, shower after work using plenty of soap and water.
- Hand protection : Recommended chloroprene rubber (CR) or nitrile rubber (NBR) gloves.
- Others : Ensure that eyewash stations and safety showers are proximal to the work-station location.

## Section 9 – Physical and Chemical Properties

- Physical Appearance : Viscous Liquid
- Color : Orange yellow to brown liquid
- Odor : Mild odor
- Boiling Point : More than 167 °C / 350 °F
- Melting Point : Less than -4 °C / 20 °F
- Flash Point : Approx. 94 °C / 201 °F (Pensky-Martens closed cup)
- Viscosity @ 25 °C : Approx. 2,700 – 2,900 cps

## Section 10 – Stability and Reactivity

- Chemical Stability : Stable at room temperature.
- Dangerous reaction : Exothermic reaction with isocyanate
- Condition to Avoid : Heat, spark and open flame.
- Material to Avoid : Isocyanate, strong acid and alkaline.
- Dangerous decomposition : In complete combustion may release poison gas , CO and other toxic gas
- Danger of explosion : Occur when react with isocyanate in sealed container

## Section 11 – Toxicological Information

### Acute Toxicity

Chemical name	Route	Species	Acute Toxic Value
Dimethylcyclohexylamine	Oral	Rat	LD <sub>50</sub> 348 mg/kg
	Inhalation	Rat	LC <sub>50</sub> 1889 mg/m <sup>3</sup>

### Irritating/corrosive effects

- Eye Irritation : May cause slight temporary eye irritation
- Skin Irritation : May cause skin irritation.
- Respiratory Irritation : Not found a significant inhalation hazard under anticipated conditions of normal use.
- Ingestion Irritation : Harmful if swallowed. Ingestion may cause dizziness, headache, nausea, drowsiness, difficulty breathing, vomiting and other effects related to the target organs for this toxicant.

## Section 12 – Ecological Information

Do not allow to escape into waters, waste water or soil.

- Eco - toxicity : No relevant studies identified.
- Persistence and degradability: The product is not easily biodegradable.
- Bioaccumulative potential : Product is not expected to bioaccumulation.
- Mobility in soil : No relevant studies identified.
- Other adverse effects : This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

## Section 13 – Disposal Considerations

The relevant EU directives and local, regional and national regulations must be complied with. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to European Waste Catalogue. It is recommended that details be sorted out with the waste disposer responsible.

The waste can be disposed of in a suitable incinerator under compliance with the relevant legislation.

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), any product residue adhering to their walls has been rendered harmless, and the product and hazard labeling has been invalidated, they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry.

Containers must be recycled in compliance with national legislation and environmental regulations.

## Section 14 - Transport Information

Regulatory information	UN number	Classes	Packing group	Label	Additional information
DOT	Not regulated	-	-	-	-
ADR / RID Class	Not regulated	-	-	-	-
IMDG Class	Not regulated	-	-	-	-
ICAO / IATA Class	Not regulated	-	-	-	-

## Section 15 - Regulatory Information

The product is not classified as dangerous for supply according to the CLP Regulation and the EC directive 67/548/EEC.

## Section 16 - Other Information

The information in this document is based on our best present. Nevertheless, it does not constitute a guarantee for any specific product features and does not establish any a legally binding contract.

DOT	: Department of Transportation.
ADR	: European agreement concerning the international carriage of dangerous goods by road.
RID	: Regulations concerning the international carriage of dangerous goods by rail.
IMDG - CODE	: International maritime dangerous goods code
ICAO	: International Civil Aviation Organization
IATA	: International air transport association
GHS	: Globally Harmonized System of Classification and Labeling of Chemicals
CLP	: Classification and Labeling of Packaging

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