

Safety Data Sheet

1. IDENTIFICATION

Product Name:	PCE-S2401
Other Names:	Polycarboxylate ether
Recommended Use:	Superplasticizer / water reducer
Supplier:	Global Chemie ASCC Limited
Street Address:	88/123 Moo 2 Bangpoo Industrial Estate (North), Phraek Sa Mai, Mueang Samutprakan, Samutprakan 10280
Telephone:	+66 2324 6888
Fax:	+66 2324 6898-99
Emergency phone:	+66 2324 6888 ext.320

2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is not classified as hazardous under GHS criteria.

Hazardous Classification

Not classified.

Hazardous Statement

Serious eye damage Category 2A

Specific Target Organ Toxicity – Single Exposure Category 3

GHS Pictograms

No data available.

Hazard Statements

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Precautionary Statements

P273: Avoid release to the environment.

P391: Collect spillage.

Response Statements

If ingestion

No data available.

If on skin

No data available.

If inhaled

No data available.

If in eye

No data available.

Storage Statements

P410: Protect from sunlight.

Disposal Statements

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Signal Word: No signal word.

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	UN No.	Proportion (%w/w)
Polyethylene Glycol mono Methallyl ether	31497-33-3	Not Regulated	43%

Molecular Formular: No data available.

Molecular weight: No data available.

4. FIRST AID MEASURES

For advice, contact Ramathibodi Poison Center (Phone: 1367) or a doctor.

General advice

Immediately medical attention required. Show this safety data sheet (SDS) to the doctor in attendance.

Ingestion

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

Eye Contact

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Skin Contact

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

Inhalation

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

Indication of immediate medical attention and special treatment needed, if necessary

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Most important symptoms and effects, both acute and delayed

No significant symptoms are expected due to the non-classification of the product.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

Use foam, water spray, dry powder, carbon dioxide.

Unsuitable extinguishing media

No data available.

Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black.

Special protective actions for fire-fighters

Use full respiratory equipment with full face mask and use full protective clothing.

6. ACCIDENTAL RELEASE MEASURES.**Personal Precautions, Protective Equipment and Emergency Procedures**

- Use personal protective clothing. Avoid contact with skin and eyes.

Environmental Precautions

- Do not release untreated into natural waters.

Methods and Material for Containment and Cleaning Up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).
Dispose of absorbed material in accordance with regulations. For large amounts: Pump off product.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid contact with skin and eyes.

Conditions for safe storage

Store away from incompatible materials (strong acids, strong bases). Store in original tightly closed container. Store in a temperature range of 5 deg C to 40 deg C

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Occupational Exposure limit values

No data available.

Biological limit values

No data available.

Engineering Controls

Provide adequate general and local exhaust ventilation.

Personal protection equipment

Eye protection

Wear safety glasses with side shields or chemical goggles as appropriate to prevent eye contact.

Hand protection

Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or using toilet facilities.

Respiratory protection

If ventilation is inadequate, wear suitable respirator.

Skin and body protection

Wear suitable protective gloves to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Typical Value
Appearance	-	Liquid
Odour	-	Ether-like
pH	-	4.0-6.0
Boiling point	°C	100
Melting point	°C	0
Flash point	°C	No data available
Flammability	-	Not Flammable
Autoignition Temperature	°C	No data available
Decomposition Temperature	°C	No data available
Lower/Upper Flammability Limits	%V	No data available

Property	Unit of Measurement	Typical Value
Density	Kg/L	1.1
Specific Gravity @ 20°C	-	No data available
Viscosity @ 30°C	cps	400-1000
Vapor pressure @ 20°C	kPa	No data available
Vapor density	kPa (Air = 1)	No data available
Evaporation Rate	(n-Butyl acetate = 1)	No data available
Water Solubility	-	Soluble
Solubility in other solvents Partition coefficient	(n-octanol/water)	No data available
Coefficient of Thermal Expansion	per Deg C	No data available
Particle characteristic	-	No data available
Color	-	Clear to Slightly turbid

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Reactivity

No hazardous reactions if stored and handled as prescribed/ indicated.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions. After long storage, slight quantities of carbon monoxide may be formed.

Conditions to avoid

Direct/continuous sunlight (cause skinning at the surface of product). Open container (contaminated from bacterial and fungus attack).

Incompatible materials

No data available.

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/ indicated.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation

Not irritating to eyes and skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Respiratory or skin sensitization

There is no evidence of a skin-sensitizing potential. Based on available Data, the classification criteria are not met. The product has not been tested. The statement has been derived from the properties of the individual components.

Carcinogenicity

The chemical structure does not suggest a specific alert for such an effect.

Germ cell mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

STOT-repeated exposure: No reliable data was available concerning repeated dose toxicity.

Aspiration hazard: Not applicable.

12. ECOLOGICAL INFORMATION

Acute aquatic toxicity

No data available.

Chronic aquatic toxicity

There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and degradability

Not readily biodegradable (by OECD criteria).

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Product

Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance / product.

Contaminated packaging

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN. Number	Not Regulated	UN. Number	Not Regulated	UN. Number	Not Regulated
Class/Item	Not Regulated	Class/Item	Not Regulated	Class/Item	Not Regulated
Hazard Symbol	Not Regulated	Hazard Symbol	Not Regulated	Hazard Symbol	Not Regulated
Proper Shipping Name	Not Regulated	Proper Shipping Name	Not Regulated	Proper Shipping Name	Not Regulated
Packing Group	Not Regulated	Packing Group	Not Regulated	Packing Group	Not Regulated
		Marine Pollutant	Not Regulated		

15. REGULATORY INFORMATION

- Decree of Minister of Industry No.23/M-IND/PER/4/2013 concerning the Revision of Decree of Minister of Industry No.87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.

- Decree of Minister of Industry No.87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.

16. OTHER INFORMATION

National Fire Protection Association (USA)	:	No data available.
SDS Distribution	:	The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty of guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.
Prepared By	:	Quality Control Department / Global Chemie ASCC Limited

Abbreviations:

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

References:

- Supplier Material Safety Data Sheets

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. No warranty and guarantee are expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product for further information, please contact Global Chemie ASCC Limited.