



Wuhan Bolachem New Material Co., LTD

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: PT-1540

CAS No.: 84133-50-6

Catalog Numbers: 040

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

Identified uses: For laboratory research purposes. Not for drug or household use.

1.3 Details of the supplier of the safety data sheet

Wuhan Bolachem New Material Co., LTD

B072, 2nd Floor, No. 4 Workshop, No. 02, Yintan Road, General Road Street, Dongxihu District,
Wuhan City

Telephone: +86 27-85675876 | E-mail: info@bolachemical.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Skin Irrit. 2; H315 Causes skin irritation.

Eye Irrit. 2; H319 Causes serious eye irritation.

2.2 Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Alcohols, C12-14-secondary, ethoxylated

Signal word: Warning



Pictograms:

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

3. INGREDIENTS/COMPOSITION INFORMATION

3.1. Substances

Molecular weight: 1954 - 1966 g/mol

Hazardous components

CAS No	Chemical name	Quantity
84133-50-6	Secondary alcohol polyoxyethylene ether	min.68.5%
7732-18-5	Water	max.31.5%

4. FIRST AID MEASURES

4.1 Skin Contact: Take off contaminated clothing and wash thoroughly with soap and water for at least 15 minutes. If irritation occurs, seek medical attention immediately.

4.2 Eye contact: Immediately lift the eyelids and rinse thoroughly with plenty of running water or saline for at least 10 minutes, frequently lifting or retracting the eyelids while flushing. Seek medical attention.

4.3 Inhalation: Leave the scene quickly to fresh air. Keep your respiratory tract open, keep warm and

rest, and seek medical advice.

4.4 Ingestion: Drink plenty of warm water and seek medical attention.

5. FIRE-FIGHTING MEASURES

5.1 Hazardous Characteristics: like most organic substances, it may burn when the temperature is too high or when it comes into contact with burning materials.

5.2 Hazardous combustion products: harmful gases, smoke, etc.

5.3 Fire extinguishing methods and fire extinguishing media: water spray, solvent-resistant foam, dry powder fire extinguishing media.

5.4 Precautions for fire fighting: wear air respirator in case of large-scale fire.

6. ACCIDENTAL LEAKAGE MEASURES

6.1 Disposal procedures: Wear personal protective equipment, cut off the source of leakage as much as possible, and prevent entry into restricted spaces such as sewers and flood ditches. Small amounts: absorb with absorbent material (e.g. sand, sawdust, general adhesive). Dispose of absorbent materials according to regulations. Bulk: Pull out product. Any residue needs to be recycled or transported to a waste disposal site for disposal.

7. HANDLING AND STORAGE

7.1 Precautions for operation and handling: Operators must wear rubber acid and alkali resistant gloves. When handling, load and unload with care to prevent damage to packaging and containers. Care should be taken to empty the container of any residue.

7.2 Storage precautions: Store in a cool, ventilated warehouse with a storage temperature not higher than 70°C. Keep away from fire and heat sources. Protect from direct sunlight. Keep container tightly sealed. When handling, load and unload with care to prevent damage to packaging and containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Maximum allowable concentration: China has not established standards.

8.2 Monitoring methods:

8.3 Engineering controls: Close operation and pay attention to ventilation. Mechanize and automate as much as possible. Safety showers and eyewash facilities are provided.

8.4 Respiratory system protection: Generally no special protection is required. During emergency rescue or evacuation, it is recommended to wear air respirators.

8.5 Eye protection: Wear safety goggles.

8.6 Skin and body protection: Choose body protection according to the situation and wear chemical protective clothing.

8.7 Hand protection: Wear chemical protective gloves.

8.8 Other protection: Smoking, eating and drinking are prohibited at the work site. After work, take a shower. Store clothes contaminated with poisons separately and wash them for later use. Maintain good hygiene habits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and properties: Pale yellow liquid

PH value: 5.0~7.5 (1 % aqueous solution)

Changes in the physical state

Melting point/freezing point: No data available

Boiling point or initial boiling point and boiling range: No data available

Pour point: 5 - 8 ° C

Flash point: > 230 ° C

Explosive properties

Not explosive

Dust explosion capability can be assumed.

Decomposition temperature: No data available

Oxidizing properties

Not oxidising.

Vapour pressure: negligible calculated

Density (at 30 ° C): calculated 1,072 g/cm³

Water solubility: soluble

Partition coefficient n-octanol/water: No information available.

Viscosity / dynamic(at 25 ° C): 1200 - 1300 mPa • s ISO 6388

10. STABILITY AND REACTIVITY

10.1 Stability: This product is stable if stored and handled as specified/directed.

10.2 Incompatible materials: strong oxidising agents, strong acids, strong bases.

Conditions to avoid: High heat.

10.3 Aggregation Hazards: No Aggregation

10.4 Decomposition Products: Hazardous decomposition products are not expected to occur if stored and used in accordance with regulations/directions.

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
84133-50-6	Alcohols, C12-14-secondary, ethoxylated, EO / Alcohol - ratio: 40				
	oral	LD50 >16000 mg/kg	Rat	Manufacturer	
	dermal	LD50 >16000 mg/kg	Rabbit	Manufacturer	

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

Read-across Alcohols, C12-C14 secondary, EO / Alcohol - ratio: 3 Skin: in vivo test(s): negative (Mouse)

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Not classified as carcinogen, mutagen or toxic to reproduction.

Carcinogenicity

No information available

not listed in IARC, not listed in TRGS 905 (Germany)

Germ cell mutagenicity

in vitro tests negative (Read-across: Alcohols, C12-C14 secondary, EO / Alcohol - ratio:3)

Reproduction toxicity:

in vivo test(s): negative (Rat, Read-across: Alcohols, C12-C14 secondary, EO / Alcohol - ratio: 3)

STOT-single exposure

No information available.

Not classified for specific target organ toxicity after single exposure.

STOT-repeated exposure

in vivo test(s): negative (Rat, Read-across: Alcohols, C12-C14 secondary, EO / Alcohol - ratio: 3)

Not classified for specific target organ toxicity after repeated exposure.

Aspiration hazard

No information available.

Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified as harmful or toxic to aquatic organisms.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
84133-50-6	Alcohols, C12-14-secondary, ethoxylated, EO / Alcohol - ratio: 40					
	Acute fish toxicity	LC50 2000-2145 mg/l	96 h			calculated
	Acute crustacea toxicity	EC50 419.7mg/l	48 h			calculated

12.2 Persistence and degradability

readily biodegradable

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
84133-50-6	Alcohols, C12-14-secondary, ethoxylated, EO / Alcohol - ratio: 40			
	OECD 301F	> 60 %	28	Manufacturer
	Readily biodegradable (according to OECD criteria).			

12.3 Bioaccumulative potential

A remarkable bioaccumulation potential is not expected.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
84133-50-6	Alcohols, C12-14-secondary, ethoxylated, EO / Alcohol - ratio: 40	/

BCF

CAS No	Chemical name	BCF	Species	Source
84133-50-6	Alcohols, C12-14-secondary, ethoxylated, EO / Alcohol - ratio: 40	/	fish	/

12.4 Mobility in soil

$K_{oc} = 0,0005$ l/kg (calculated)

A high mobility in soil is expected.

12.5 Results of PBT and vPvB assessment

PBT - not assessed

vPvB - not assessed.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No further relevant information available.

Further information

Do not allow to enter into surface water or drains.

13. DISPOSAL

13.1 Nature of waste: industrial waste.

13.2 Disposal Methods: Dispose of waste in an approved incinerator or waste treatment/disposal site in accordance with all applicable regulations. Do not dispose of waste in local sewers or general garbage. Empty drums should be recovered, recycled or disposed of through a qualified or licensed contractor. Comply with local regulations.

13.3 Disposal precautions: General labor protection measures are sufficient, and discharge into drinking water systems is strictly prohibited.

14. TRANSPORT INFORMATION**Road Regulation (ADR/RID)**

It is not classed as hazardous chemicals in ADR/RID Regulations.

Air Transportation (IATA /ICAO)

It is not classed as hazardous material or dangerous goods for transportations under IATA/ICAO Regulations.

Marine Transportation (IMO/IMDG)

It is not regulated as hazardous material or dangerous goods for transportation under IMO/IMDG Regulation.

Transportation precautions: The packaging must be complete and the loading must be secure at the time of shipment. During transportation, make sure that the container does not leak, collapse, fall, or be damaged. During transportation, the transport vehicle should be equipped with leakage emergency treatment equipment. During transportation, they should be protected from exposure to the sun, rain, and high temperatures. When transporting by road, follow the prescribed route and do not stay in residential areas or densely populated areas.

15. REGULATORY INFORMATION

15.1 Regulatory information:

"Regulations on the Safety Management of Hazardous Chemicals"

"Classification and Labeling of Commonly Used Hazardous Chemicals"

"Regulations on the Safe Use of Chemicals in the Workplace"

16. OTHER INFORMATION

Department to fill in the form: Technical Department of Wuhan Bolachem New Materials Co., Ltd.

Data review unit:

Modification instructions: This table is compiled for the first time