

PHOSPHANOL RL-210

 TOHO CHEMICAL INDUSTRY CO., LTD.

Issue date: 12/20/1995 Product code: E500260
Revision date: 4/13/2021 Version: 1.1

Safety Data Sheet

1. Chemical product and company identification

Substance name : PHOSPHANOL RL-210
Product code : E500260

Company information

Company : TOHO CHEMICAL INDUSTRY CO., LTD.
: Yokkaichi Plant
: 300-1, Kohama-cho, Yokkaichi-City, Mie, 510-0865, Japan
: TEL: +81-59-345-3432 FAX : +81-59-346-7064
Emergency Telephone Number : +81-59-345-3261

Recommended use of the chemical and restrictions on use

Recommended use : Surfactants

2. Hazards identification

GHS classification

Physical hazards	Explosives	No classification
	Flammable gases	No classification
	Aerosol	No classification
	Oxidizing gases	No classification
	Gases under pressure	No classification
	Flammable liquids	No classification
	Flammable solids	No classification
	Self-reactive substances and mixtures	No classification
	Pyrophoric liquids	No classification
	Pyrophoric solids	No classification
	Self-heating substances and mixtures	classification not possible
	Substances and mixtures which in contact with water emit flammable gases	No classification
	Oxidizing liquids	No classification
	Oxidizing solids	classification not possible
	Organic peroxides	No classification
	Corrosive to metals	classification not possible
	Desensitized explosives	classification not possible
Health hazards	Acute toxicity (oral)	classification not possible
	Acute toxicity (dermal)	classification not possible
	Acute toxicity (inhalation:gas)	No classification
	Acute toxicity (inhalation:vapours)	No classification
	Acute toxicity (inhalation:dust/mist)	classification not possible

PHOSPHANOL RL-210

Product code:E500260

Revision date: 4/13/2021

Version: 1.1

	Skin corrosion/irritation	classification not possible
	Serious eye damage/eye irritation	classification not possible
	Respiratory sensitization	classification not possible
	Skin sensitization	classification not possible
	Germ cell mutagenicity	classification not possible
	Carcinogenicity	classification not possible
	Reproductive toxicity	classification not possible
	Specific target organ toxicity (single exposure)	classification not possible
	Specific target organ toxicity (repeated exposure)	classification not possible
	Aspiration hazard	classification not possible
Environmental hazards	Hazardous to the aquatic environment, short-term (acute)	classification not possible
	Hazardous to the aquatic environment, long-term (chronic)	classification not possible
	Hazardous to the ozone layer	classification not possible

Hazard pictograms (GHS JP) : None

Signal word (GHS JP) : No signal word

Hazard statements (GHS JP) : No hazard statements

Precautionary statements (GHS JP)

Prevention : Wash thoroughly after handling. (P264)

Response : IF SWALLOWED: Call a doctor if you feel unwell. (P301+P312)
IF ON SKIN: Wash with plenty of water. (P302+P352)
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
(P305+P351+P338)

Storage : Store in a well-ventilated place. Keep container tightly closed.
(P403+P233)

Disposal : Dispose of contents/container to in accordance with local, regional, national and/or international regulation. (P501)

3. Composition/information on ingredients

Distinction of substance or mixture : Substance

Name	Concentration (%)	CAS-No.
Polyoxyethylene alkyl ether phosphate	80	62362-49-6
Polyoxyethylene alkyl ether (Non-reactive substance)	20	9005-00-9

Hazardous ingredients : Not classified as a hazardous chemical

4. First aid measures

First aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If necessary seek medical advice.
- First-aid measures after skin contact : Wash with plenty of soap and water. If necessary seek medical advice.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If necessary seek medical advice.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

5. Fire fighting measures

- Suitable extinguishing media : Dry powder, Foam, dry sand, Water spray
- Unsuitable extinguishing media : None to our knowledge
- Fire hazard : On burning: release of carbon monoxide - carbon dioxide.
- Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases
- Firefighting instructions : Fight fire from safe distance and protected location.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures

- General measures : Wear suitable protective clothing, gloves and eye or face protection. Ensure good ventilation of the work station. Evacuate area.

Environmental precautions

- Environmental precautions : Avoid release to the environment. Discharging into rivers and drains is forbidden.

Methods and Equipment for Containment and Cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Contain large spillage with sand or earth.
- Methods for cleaning up : Mechanically recover the product.
- Prevention Measures for Secondary Accidents : In case of leakage, eliminate all ignition sources. Spilled material may present a slipping hazard. Use only non-sparking tools.

7. Handling and storage

Handling

- Precautions for safe handling : Ensure good ventilation of the work station.
Wear personal protective equipment.
Open flames prohibited.
Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product.
Always wash hands after handling the product.

Storage

- Storage conditions : Store in a well-ventilated place.
Keep cool.
Open flames prohibited.
- Technical measures : Store in a well-ventilated place. Keep container tightly closed.

8. Exposure controls / Personal protection equipment

- Appropriate engineering controls : Ensure good ventilation of the work station

Protective equipment

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment
- Hand protection : Wear suitable gloves resistant to chemical penetration
- Eye protection : Chemical goggles or safety glasses
- Skin and body protection : Antistatic clothing including shoes are recommended
- Environmental exposure controls : Avoid release to the environment.

9. Physical and chemical properties

- Physical state : Solid
- Colour : Pale yellow
- Odour : slightly characteristic
- pH : No data available
- Melting point : 55 °C
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 188 °C (COC)
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative density : No data available
- Density : 0.921 g/cm³ (70°C)

PHOSPHANOL RL-210

Product code:E500260

Revision date: 4/13/2021

Version: 1.1

Relative gas density	:	No data available
Solubility	:	Water: In water, the material disperses (30°C)
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Explosive limits (vol %)	:	No data available
Viscosity, kinematic:	:	No data available
Particle characteristics	:	No data available

10. Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	on contact with incompatible materials.
Incompatible materials	:	Oxidizing agent.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity (oral)	:	classification not possible
Acute toxicity (dermal)	:	classification not possible
Acute toxicity (inhalation)	:	Not applicable (gas) Not applicable (Vapour) classification not possible (dust, mist)
Skin corrosion/irritation	:	classification not possible
Serious eye damage/irritation	:	classification not possible
Respiratory sensitization	:	classification not possible
Skin sensitization	:	classification not possible
Germ cell mutagenicity	:	classification not possible
Carcinogenicity	:	classification not possible
Reproductive toxicity	:	classification not possible
STOT-single exposure	:	classification not possible
STOT-repeated exposure	:	classification not possible
Aspiration hazard	:	classification not possible

12. Ecological information

Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	:	classification not possible
--	---	-----------------------------

PHOSPHANOL RL-210

Product code:E500260

Revision date: 4/13/2021

Version: 1.1

Hazardous to the aquatic environment, long-term (chronic) : classification not possible

Persistence and degradability

PHOSPHANOL RL-210	
Persistence and degradability	No data available
Polyoxyethylene alkyl ether phosphate	
Not rapidly degradable	
Polyoxyethylene alkyl ether	
Not rapidly degradable	

Bioaccumulative potential

PHOSPHANOL RL-210	
Bioaccumulative potential	No data available

Mobility in soil

PHOSPHANOL RL-210	
Mobility in soil	No data available

Hazardous to the ozone layer

Ozone : classification not possible
Other adverse effects : No additional information available

13. Disposal considerations

Waste treatment methods : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials : Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques.

Contaminated container and packaging : Empty the packaging completely prior to disposal.
Dispose of via an authorised person/ licensed waste disposal contractor or by other suitable waste treatment techniques.

14. Transport information

International Regulations

United Nations Recommendations on the Transport of Dangerous Goods(UN RTDG)	Transport by sea(IMDG)	Air transport(IATA)
UN number		
Not applicable	Not applicable	Not applicable
UN proper shipping name		
Not applicable	Not applicable	Not applicable

PHOSPHANOL RL-210

Product code:E500260

Revision date: 4/13/2021

Version: 1.1

Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
Packing group		
Not applicable	Not applicable	Not applicable
Environmental hazards		
Not applicable	Not applicable	Not applicable

Marine pollutant : Not applicable
Emergency Response Guide (ERG) Number : 133

15. Regulatory information

Government Inventory Lists

United States(TSCA) : Listed
Canada(DSL) : Listed
Australia(AICS) : Listed
Korea(ECL) : Listed
China(IECSC) : Listed
New Zealand(NZIoC) : Listed
Philippines(PICCS) : Listed
Taiwan(TCSI) : Listed

Export HS code : 2919.90-000
HS Code Comment : Though the Export HS code has been described as reference information, another code might be applicable because of the interpretation and the usage, etc. After selecting the Export HS code in the responsibility of the exporter to export, please correspond appropriately according to the instruction of the customs.

Other information, restriction and prohibition regulations : The TOHO CHEMICAL INDUSTRY CO, LTD. is not able to check up the regulatory information in regard to the substances in your country or region, therefore we request this matter would be filled by your responsibility. Follow all regulations in your country.

16. Other information

Information contact : TOHO CHEMICAL INDUSTRY CO., LTD.
Chemicals Management Group R&D Division(SDS Section)
E-mail ; msds@toho-chem.co.jp

Data sources : Hazard communication of chemicals based on GHS-Labeling and Safety Data Sheet(SDS)(JIS Z7253:2019).
Classification of chemicals based on "Globally Harmonized Systems of Classification and Labeling of Chemicals (GHS)" (JIS Z7252:2019).

PHOSPHANOL RL-210

Product code:E500260

Revision date: 4/13/2021

Version: 1.1

GHS Classification Guidance for Enterprises (METI).
GHS Compliance Guidelines (JCIA).
GHS classification (National Institute of Technology and Evaluation(NITE-JAPAN)).
Guidance on the preparation of GHS-SDS of surfactant(JSIA)

Other information : Please contact our sales staff for EU REACH registration. When importing into South Korea, registration may be required based on the Law Concerning Registration and Evaluation of Chemical Substances (K-REACH). Please contact our sales staff for details. If the amount exceeds 100 kg / year when importing a Taiwan Inventory (TCSI) registered or compliant substance into Taiwan (in the case of a mixture, the amount for each component), the first stage registration by the importer is required.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable