

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH) and subsequent amendments

POLYTHERM FO

Review: 02-03-2018

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY.

1.1 Product identification.

Trade name : POLYTHERM FO
 Name of the substance Not applicable (mixture)
 CAS number Not applicable (mixture)
 EC number Not applicable (mixture)
 REACH registration number Not applicable (mixture)

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

Use of the product Additive for bitumen and bituminous conglomerates.

1.3 Details of the supplier of the safety data sheet.

Company :POLYCYKLE srl
 Corso Isonzo 109
 44121 Ferrara (FE) Italy
 Telephone : +39 3409255419
 Email address : info@polycykle.com

1.4 Emergency telephone number.

CAV - Centro Nazionale di Informazione Tossicologica – Pavia +39 0382 2444
 Osp. Niguarda Ca' Granda – Milano +39 02 66101029
 Az. Osp. "A. Cardarelli" Napoli +39 081 7472870
 CAV - Policlinico "Umberto I" – Roma +39 06 49978000
 Az. Osp. "Careggi" U.O. Tossicologia Medica Firenze +39 055 7947819
 Az. Osp. "Papa Giovanni XXII" – Bergamo +39 800 883300

2. HAZARD IDENTIFICATION.

2.1 Classification of the substance or mixture.

Classification (Regulation 1272/2008/EC)
 Attention, Skin Irrit. 2, Causes skin irritation
 Danger. Eye Dam. 1, Causes serious eye damage

2.2 Label elements.

Labelling according to Regulation 1272/2008/EC
 Symbol:



Warning: : Pericolo

Hazard Indications:

H315: Causes skin irritation
 H318: Causes serious eye damage

Caution Advice:

P264: Wash thoroughly After use
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338: IF IN EYE CONTACT: Rinse thoroughly for several minutes. Remove any contact lenses if easy to do so. Continue to rinse.
 P310: Immediately call a POISON CENTRE/PHysician.
 P332+P313: In case of skin irritation: seek medical advice.
 P362+P364: Remove all contaminated clothing and wash before reuse.

- 2.3 Other hazards.**
There are no other data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS.

- 3.1 Substances.**
Not applicable
- 3.2 Mixtures.**

IDENTIFICATION	NR. CAS NR. CE NR. REG. REACH	CATEGORISATION (CE) 1272/2008 [CLP]	CONCEPTION
Phosphoric ester from fatty alcohol ethoxylated	39464-69-2 - Exempt	Skin Irrit. 2; H315 Eye Dam. 1; H318	75-100%

For the full text of the H-phrases mentioned in this section, please refer to section 16.

* The substance is exempt from registration according to REACH as a polymer.

4. FIRST AID MEASURES.

4.1 Description of first aid measures

General Information	Seek immediate medical help and move away from the danger area. Show this safety data sheet to your doctor.
In case of skin contact	Rinse immediately with plenty of water and soap.
In case of contact with eyes	Wash immediately and thoroughly with running water, with eyelids open, for at least 10 minutes; then protect the eyes with sterile gauze or a clean, dry handkerchief. REMEMBER A MEDICAL VISIT. Protect the eye unharmed.
If ingested	Do not induce vomiting. REMEMBER IMMEDIATELY FOR A MEDICAL VISIT, showing the safety data sheet. Do not give anything to eat or drink.
If inhaled	Remove victim to fresh air and keep warm and at rest. In case of inhalation, seek medical advice immediately and show the packaging or label.

4.2 Main symptoms and effects, both acute and delayed

Symptoms	No information available
Risks	No information available

4.3 Indication of any immediate medical attention and special treatment needed.

Treatment	No information available
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5. FIRE-FIGHTING MEASURES.

5.1 Extinguishing media.

Suitable extinguishing media: Water, Carbon dioxide (CO₂).
Extinguishing media that must not be used for safety reasons: None in particular.

5.2 Special hazards arising from the substance or mixture.

Do not inhale explosion and combustion gases.
Combustion produces heavy smoke.

5.3 Recommendations for firefighters.

Use appropriate respiratory equipment.
Collect contaminated water used to extinguish the fire separately. Do not discharge into the sewer system.
If safety-relevant, move undamaged containers out of immediate danger area.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE.

6.1 Personal precautions, protective equipment and emergency procedures.

Wear personal protective equipment.
Move people to a safe place.
Refer to the protective measures in 7 and 8.

6.2 Environmental precautions.

Prevent penetration into the soil/subsoil. Prevent runoff into surface water or sewerage system. Keep contaminated washing water and dispose of it.
Inform the responsible authorities if water, soil or sewer system gets into them.
Suitable material for collection: absorbent material, organic material, sand

6.3 Methods and material for containment and cleaning up.

Wash with plenty of water

6.4 Wash with plenty of water

See also section 8 and 13

7. HANDLING AND STORAGE.

7.1 Precautions for safe handling.

Avoid contact with skin and eyes, inhalation of vapours and mists.
 Do not use empty containers until they have been cleaned.
 Before transfer operations make sure that there are no incompatible residual materials in the containers.
 Contaminated clothing should be replaced before entering dining areas.
 Do not eat or drink while working.
 See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities.

Compatible material:
 - Stainless steel, polyethylene.
 Incompatible materials:
 - None in particular. See also paragraph 10 below.
 Indication for rooms:
 - - Properly ventilated rooms.

7.2 Specific end uses.

No particular use

8. EXPOSURE CONTROL/PERSONAL PROTECTION.

8.1 Control parameters.

No occupational exposure limits available
 Exposure limit values DNEL
 Not Applicable
 Exposure limit values PNEC
 Not Applicable

8.2 Exposure controls.

Eye protection	Facial screen
Skin and body protection	Wear clothing that provides full protection for the skin, e.g. cotton, rubber, PVC or Viton.
Hand protection	Wear protective gloves that provide full protection, e.g. in PVC, neoprene or rubber.
Respiratory protection	Not required for normal use.
Thermal risks	In case of formation of vapours or aerosols, use a respirator with an approved filter.
Environmental exposure controls	None

9. PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state	Viscose Liquid
Colour	Dark yellow
Odour	Characteristic
Olfactory threshold	Not available
pH	Acid
Melting point / melting range	Not available
Boiling point / boiling range	: >200°C
Flash point	: >125°C
Ignition temperature	Not available
Evaporation rate	Not available
Flammability (solids, gases)	Not applicable
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapour pressure	Not available
Relative vapour density	Not available
Density	980 kg/m ³ at 20°C
Solubility in water	Insoluble
Dynamic viscosity	500cP at 20°C
Explosive properties	Non-explosive
Oxidizing properties	Not classified as an oxidant

9.2 More information.

Not available

10. STABILITY AND REACTIVITY.

- 10.1** Reactivity.
Stable under normal conditions.
- 10.2** **Chemical stability.**
The product is stable under normal conditions of use and storage.
- 10.3** Possibility of hazardous reactions.
No hazardous reactions are to be expected under normal conditions of use and storage.
- 10.4** Conditions to avoid.
None in particular. However, the usual precautions with regard to chemicals must be observed.
- 10.5** Incompatible materials.
Materials to avoid: Not known.
- 10.6** Hazardous decomposition products.
In case of overheating and fire, toxic/irritating gases/vapours may be released that could be harmful to health.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Unless otherwise specified, the data required by Regulation (EU) 2015/830 below are to be understood as N.A. Toxicological information concerning the substance: Phosphoric ester from fatty ethoxylated alcohol - CAS: 39464-69-2

Acute toxicity	Not classified. On the basis of the available data, the classification criteria are not met. Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
Skin corrosion/irritation	The product is classified: Skin Irrit. 2 H315. Test: Irritating to skin - Way: Skin - Species: Rabbit Positive - Duration: 4h
Severe eye damage/irritation	The product is classified: Eye Dam. 1 H318. Test: Irritating to eyes - Species: Rabbit Positive
Respiratory or skin sensitization	Not classified. On the basis of the available data, the classification criteria are not met. Test: Skin Sensitization - Route: Negative Skin
Germ cell mutagenicity	Not classified. On the basis of the available data, the classification criteria are not met.
Carcinogenicity	Not classified. On the basis of the available data, the classification criteria are not met.
Reproductive toxicity	Not classified. On the basis of the available data, the classification criteria are not met.
Specific target organ toxicity (STOT) - single exposure	Not classified.. On the basis of the available data, the classification criteria are not met.
Specific target organ toxicity (STOT) - repeated exposure	Not classified On the basis of the available data, the classification criteria are not met.
Aspiration hazard	Not classified. On the basis of the available data, the classification criteria are not met.
Estere fosforico da alcol grasso etossilato - CAS: 39464-69-2	
Ingestion	Acute oral toxicity (LD 50 rat) > 2000 mg/kg
Eye contact (rabbit)	Irritant
Skin contact (rabbit) - (4 hours)	Irritant
Awareness raising	Does not have sensitising effects
Inhalation	Inhalation is only possible as an aerosol, can irritate the respiratory tract

12. ECOLOGICAL INFORMATION.

- 12.1** **Toxicity**
Biodegradability The product can be considered easily biodegradable in relation to EC



Directives. The product is biodegradable according to OECD methods (Organisation for Economic Corporation and Development) so that it can be used in "detergent" products as required by EC Regulation No. 648/2004.

COD	Not available
Ichthiotoxicity	See below
Daphnia toxicity (acute)	See below
AOX :	None
Heavy metals	None

Phosphoric ester from fatty alcohol ethoxylate - CAS: 39464-69-2

Not classified for environmental hazards.

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

Acute aquatic toxicity:

Punto finale: LC50 - Specie: Carassius Auratus > 10 mg/l - Durata h: 96 - Nota: CESIO

Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48 - Notes: CESIO

12.2 Persistence and Degradability

Phosphoric ester from fatty alcohol ethoxylate - CAS: 39464-69-2

Biodegradability: Not persistent and biodegradable - Test: OECD Method 301/C - Duration: 28g > - %: 60 -

Notes: Easily biodegradable

12.3 Bioaccumulative potential

Not applicable

12.4 Mobility on the ground

Not applicable

12.5 Result of PBT*and VPvB* evaluation

Not available

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Recover if possible. Send to authorised disposal plants or incineration under controlled conditions. Operate in accordance with local and national regulations.

Recover if possible or send to authorised plants or incineration under controlled conditions.

For handling and measures in the event of accidental release of the waste, the information given in sections 6 and 7 applies in general.

Return containers to the supplier.

Cautions and specific actions must be evaluated in relation to the composition of the waste.

Operate according to local and national regulations in force.

14. TRANSPORT INFORMATION.

Land transport

ADR Not a dangerous good according to transport regulations

RID Not a dangerous good according to transport regulations

Air transport

IATA Non-hazardous goods according to transport regulations

Maritime transport

IMDG Non-hazardous goods according to transport regulations

15. REGULATORY INFORMATION.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Authorization according to REACH Regulation (EC Regulation n. 1907/2006 and subsequent amendments and integrations): product NOT included in the list of substances of very high concern (SVHC) candidate for authorization.

Restrictions on use according to the REACH Regulation (EC Regulation n. 1907/2006 and subsequent amendments and additions): Substance NOT subject to Restrictions according to Title VIII (Annex XVII, Appendix 2)

15.2 Chemical safety assessment.


No chemical safety assessment has been carried out.

16. OTHER INFORMATION.

Hazard Statements H:

H315: Causes skin irritation

H318: Causes serious eye damage

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This document has been drawn up by a technician who is competent in the field of SDS and who has received appropriate training.

Main bibliographic sources:

CESIO - Classification and labelling of surfactants as "Dangerous for the environment" (Ed. 12/2013)

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities.

DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eighth edition - Van Nostrand Reinold.

CCNL - Annex 1

Higher Institute of Health - National Chemical Inventory

Information on training

Train workers potentially exposed to this substance appropriately on the basis of the contents of this safety data sheet.

Note to the user:

The information contained therein is based on our knowledge as of the above date. It refers only to the product indicated and does not constitute a guarantee of any particular quality.

The user is responsible for ensuring that this information is suitable and complete for the specific use to which it is to be put. This sheet cancels and replaces all previous editions.