

SAFETY SHEET
ACCORDING TO REGULATION (EC) NO. 1907/2006 ANNEX

1. Identification of substance / application and company

Identification of substance or application

Commercial name: Impregnit

Product No.: 1544

Relevant identified use of substance or application and uses that are not recommended

Relevant identified use: Cleaning application, only for professional use

Data about supplier, issuing safety sheet:

TopTeramo s.r.o.

Vápenná 444

790 64 Vápenná

Contact: 588 110 070

Email: info@topteramo.cz

Additional information: Additional information will be notified to you by your distributor / supplier.

Phone number for emergency situation:

2. Hazard identification

Designation elements

Globally Harmonized System (GHS)

This product is not a subject to designation obligations, following the GHS criteria.

Following the directive 67/548/EEA or 1999/45/EC

Directive EU 1999/45/EC ("Directive on Applications")

This product is not a subject to designation obligations, following the EC directives.

Classification and designation were performed on the basis of application tests.

Product contains: polypropylene glycol-alkyl phenyl ether

May cause allergic reactions.

Substance or application classification

Following the regulation (EC) No. 1272/2008 [CLP]

This product is not a subject to classification obligations, following the GHS criteria.

Following the directive 67/548/EEA or 1999/45/EC

Potential hazard:

There are no special hazards known.

Other hazards

Following the regulation (EC) No. 1272/2008 [CLP]

There are no special hazards known if regulations / instructions for storage and manipulation are observed. In the event of sticking the product on skin after its drying out, potential irritation may occur.

3. Composition / information about components

Compounds

Chemical characteristics

Description:

Composition / information about components

Liquid solution of polymer on the basis: acrylic acid ester, methacrylic acid ester, styrene

Hazardous elements:

Element	No. CAS	No. EINECS	Classification	/ Concentration
Polypropylene glycol	9064-13-5		Xi, R 43	< 1.0 %
Alkyl phenyl ether				

4. First aid instructions

Description of first aid instructions

Any stained clothing shall be removed immediately.

When inhaled:

Peace, fresh air, call physician.

Contact with skin:

Rinse with water and soap carefully.

When eyes are hit:

Rinse carefully in running water with open eyelids for at least 15 minutes, call ophthalmologist.

When swallowing:

Rinse your mouth immediately and drink plenty amount of water, call physician.

The most acute and late symptoms and effects

Symptoms: On the basis of non-classification of product, we may not expect any extraordinary symptoms.

Hazard: No hazard may be expected.

Instructions for immediate medical assistance or special treatment

Treatment: No data are available.

5. Measures for fire extinguishing

Fire extinguishers

Appropriate extinguishers: Flow of splashed water, fire extinguishing powder, foam, carbon dioxide

Special hazards caused by respective substance or application

No special hazard is known.

Notification for fire extinguishing

Special protective equipment:

No data available.

6. Measures in the event of incidental escape

Preventive measures for the protection of persons, protective equipment and procedures used in emergency situations.

Use personal protective equipment. Avoid contact with eyes and skin. Preventive measures for the protection of environment.

Do not leave the product to leak into water without pre-processing.

Recommended methods and materials for retention and cleaning

Low quantities: Collect by appropriate material, absorbing liquid (e.g. by sand, saw dust,

Universal absorption application, bergmehl). Remove collected material according to regulations.

Large quantities: Pump out the product.

Reference to other sections

Data for limitation and control of exposure / personal protective equipment and instructions for the removal are specified in sections 8 and 13.

7. Manipulation and storage

Instructions for safe manipulation

Regular preventive measures must be followed for the manipulation with chemicals. In the event of longer storage, small quantities of carbon monoxide may be generated. Following our knowledge, limit value for site (AGW) is not exceeding in case of proper use. It's possible to enter the vessels / tanks only after careful and safe ventilation and under observance of national regulations or international standards for entering vessels / tanks. In case of doubts, it's necessary to measure the CO concentration.

Conditions for safe storage under consideration of intolerance: Additional data for storage conditions: In case of storage, protect against freeze.

Specific final use

In the event of respective identified use according to section 1, it's necessary to follow the instructions specified in this section 7.

8. Limitation and review of exposure / personal protective equipment

Reviewed parameters

Parts with limit values, reviewed at the site

none

Limitation and review of exposure

Personal protective equipment

Hands' protection:

Appropriate protective gloves, resistant against chemicals (EN 374) even in case of longer direct contact (recommended: protection index 6, corresponding to > 480 minutes of permeation period under EN 374): e.g. from nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Additional warning: Data are based on our own tests, data from literature and information from gloves' manufacturer, or it's derived from similar substances analogically. It's necessary to ensure that the daily time such gloves, protecting against chemicals, are used in practice is markedly shorter than the permeation period, detected by tests, due to many impacting factors (e.g. temperature).

Protection of eyes:

Protective glasses with side protection (round glasses) (e.g. EN 166)

General protective and hygienic measures

Rinse your hands and/or face before pauses and work completion. Avoid contact with eyes and skin.

9. Physical and chemical properties

Data about fundamental physical and chemical properties

State of matter:	liquid
Colour:	white
Odour:	mildly aromatic
Odour limit:	No data available.
pH value:	6.5 – 8.0 (DIN ISO 976)
Data for:	water
Melting point:	0 °C
Data for:	water
Boiling point:	100 °C
Flash point:	not applicable
Speed of vaporisation:	No data available.
Lower explosion limit:	not applicable
Higher explosion limit:	not applicable
Data for:	water
Vapour pressure:	23.4 hPa under (20 °C), data from literature
Density:	1.04 g/cm ³ (20 °C) (ISO 2811-1)
Relative density:	No data available.
Relative density of vapours (air):	No data available.
Solubility in water:	partially soluble (15 °C)
Coefficient of dispersion n-octanol/water (log Kow):	not applicable
Susceptibility for self-ignition	not susceptible for self-ignition
Thermal decomposition:	no decomposition occurs in case of proper use
Viscosity, dynamic:	No data available
Explosive hazard:	non-explosive
Properties supporting burning:	does not support burning
Other data	
Mixable with water:	mixable
Portion of solid substances:	16.4 – 17.1 % (according to formula)
Other data:	
Size of particles:	< 0.1 µm - 10 µm

10. Stability a reactivity

Reactivity

No hazardous reactions if regulations / instructions for storage and manipulation are observed.

Chemical stability

Product is stable if regulations / instructions for storage and manipulation are observed.

Potential of hazardous reactions

No hazardous reactions under storage and manipulation under regulations. In the event of longer storage, low quantity of carbon monoxide may be formed.

Conditions you need to avoid.

Protect against extreme temperatures.

Intolerant materials

Substances that need to be avoided.

No substances, that need to be avoided, are known.

Hazardous products of decomposition

There are no hazardous products of decomposition if regulations / instructions for storage and manipulation are observed.

11. Toxicologic information

Information about toxic effects

Acute toxicity

Evaluation of acute toxicity:

After single oral use, practically nontoxic. Product has not been tested. Statement was based on the product of similar structure or composition.

Experimental / calculated data:

LD50 rat (orally): > 2,000 – 10,000 mg/kg

Irritation

Evaluation irritation

If the product is stuck on skin as a consequence of drying out, potential irritation.

Not irritative for eyes. Not irritative for skin. Product was not tested.

Statement was based on the product of similar structure or composition. Experimental / calculated data:

Cauterization / irritation of skin (rabbit): Non-irritative. (Directive OECD 404)

Serious harm / irritation to eyes (rabbit): Non-irritative. (Directive OECD 405)

Sensibilisation of respiratory tract / skin

Evaluation of sensibilisation:

Does not affect skin in a sensibilisation way during tests on animals. This product was not tested. Statement was based on the product of similar structure or composition.

Experimental / calculated data:

Mouse Local Lymph Node Assay (LLNA) - mouse: non-sensibilisation (OECD directive 429)

Mutagenicity of embryonic cells

Evaluation of mutagenicity:

This substance did not show any properties changing its heredity at bacteria. This product was not tested. Statement was based on the product of similar structure or composition.

Cancerogenicity

Evaluation of cancerogenicity:

From the list of available information, no hints of carcinogenic effects are derived.

Reproductive toxicity

Evaluation of reproductive toxicity:

No reproductive toxicity is expected (on the basis of composition).

Development toxicity

Evaluation of teratogenicity:

Evaluation of potential effects, harmful for development, is not possible on the basis of available data.

In the event of repetitive doses and specific toxicity for target body parts, toxicity was detected (repetitive exposure).

Evaluation of toxicity in case of repetitive doses:

When testing it on animals, no adverse effects were detected after repetitive inhalation exposure. This product was not tested. Statement was based on the product of similar structure or composition.

Other data about toxicity

In case of proper treatment and use according to regulations, product does not result in any adverse effects to health according to our experiences and information. Statement was based on the product of similar structure or composition.

12. Ecological information

Toxicity

Toxicity for fishes:

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD directive 203, static)

Water invertebrate:

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD directive 202, Part 1, static)

Aquatic plants:

EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus (OECD directive 201) nominal concentration.

Microorganisms / effects in case of activated sludge:

EC20 (0,5 h) > 100 mg/l, activated sludge, municipal (DIN EN ISO 8192-OECD 209-88/302/EHS,T.C)

When small concentrations were introduced into biological treatment facilities, no defects of decomposition activities of activated sludge could be expected.

Stability and decomposing ability

Evaluation of biodecomposition and elimination (H₂O):

Product may be eliminated from water to certain extent by abiotic procedures, e.g. by adsorption of activated sludge.

Information for elimination:

> 70 % of DOC removal (OECD 302B; ISO 9888; 88/302/EHS, Part C) Well eliminable from water.

Bioaccumulation potential

Bioaccumulation potential:

Polymer portion is not bio available on the basis of its structural properties. Enrichment in case of organisms may not be expected.

Mobility in soil (and other areas, if available)

Evaluation of transportation between ecological areas:

No data available.

Evaluation results of PBT and vPvB

According to regulation (EC) No. 453/2010: Product does not meet criteria for PBT (persistent / bioaccumulative / toxic) or vPvB (very persistent / very bioaccumulative)

Other harmful effects

No data available.

Other information

Adsorbable organic bound halogen (AOX):

No data available.

Other eco-toxicologic information:

Do not leave this product to penetrate into water without pre-treatment. Adverse ecological effects may not be expected according to its actual knowledge.

Stated ecological data was found by analogical conclusions.

13. Instructions for removal

Procedure for waste treatment

Waste shall be transported e.g. to appropriate incineration plant under the meeting of local regulations.

The number for waste key, following the European waste catalogue (EAK), may not be determined as it depends on the use.

National and local legal rules have to be observed.

14. Information for transportation

Ground transportation

ADR

No hazardous load in terms of RID regulations

No hazardous load in terms of transportation regulations

Inland waterway transportation

ADN

No hazardous load in terms of transportation regulations

Maritime transport

IMDG

No hazardous load in terms of transportation regulations

15. Information about regulations

Regulations for the protection of safety, health and environment / specific legal rules for substance or application

Water hazard class (Annex 4 VwVwS (Germany)): (1) Low water hazard.

If any other legal rules are valid, not specified on any other place of this safety sheet, they can be found in this subsection.

Evaluation of substance safety.

Evaluation of substance safety is not necessary.

16. Other information

Other intended use should be agreed with the manufacturer.

Full version of classifications, included the designation of hazard, hazard symbols, R-sentences and notifications about hazard, unless stated in section 2 or 3:

Xi Irritating.

43 May cause sensibilisation when in contact with skin.

Skin Sens. Skin sensibilisation.

H317 May cause allergic skin reaction.

Data may not be considered as product specification. The agreed nature or appropriateness of product for specific purpose of use may not be derived from our information in safety sheet.

Potential protective rights or existing laws and regulations must be respected by recipient of our product at own responsibility.

Information stated in this safety sheet above are based on our current knowledge and experiences and describe the product with regard to safety requirements.