

SAFETY DATA SHEET 71

HYDROSEAL

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product Identifier

Product name HYDROSEAL

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

Description/Application SILOSSANIC PROTECTIVE

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

For urgent inquiries refer to SANITARY EMERGENCY

2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptations). The product thus requires a safety data sheet which complies with the provisions of Regulation (EC) n. 1907/2006 and subsequent amendments. Further information on the risks to health and/or the environment are given in sec. 11 and 12 of this sheet.

Hazard classification and indication:

Skin irritation, category 2 H315 It causes skin irritation.

2.2 Label elements

Danger labeling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.



Warning

Danger

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Hazard:

H315 It causes skin irritation.

Safety advice

P262 Avoid contact with eyes, skin or clothing.

P280 Wear protective gloves and eye / face protection.

P302 + P352 IN CASE OF CONTACT WITH SKIN: Wash with plenty of water / soap.

P332 + P313 In case of skin irritation, consult a doctor.

2.3. Other dangers

Based on available data, the product does not contain any PBT or vPvB substances as more than 0,1%

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

No relevant information.

3.2 Mixtures

It contains:

Identification	Conc. %	Classification 1272/2008 (CLP).
<u>Triethoxyoctyl-Silane</u>		
CAS. 2943-75-1	>= 25 % - < 50%	H315, 2 , Skin Irrit.
CE. 220-941-2		
INDEX. -		

The full text of hazard (H) is specified in section 16 of the sheet.

4 FIRST AID MEASURES

4.1 Description of first aid measures

EYES: Wash immediately and abundantly with water, opening the eyelids well. In case of symptoms, consult a doctor.

SKIN: Remove contaminated clothing from behind. In case of contact with the skin, wash with soap and water.

In case of persistent skin irritation, consult a doctor

INGESTION: Thoroughly clean the mouth with water. Consult a doctor, show the package or label.

INHALATION: Allow fresh air to flow. In case of complaints consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed.

Irritating for skin

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

Follow doctor's instructions.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Foam, carbon dioxide, extinguishing powder, water jets.

UNSUITABLE EXTINGUISHING EQUIPMENT

Full water jet.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

In case of fire, the following can be released: Carbon monoxide, carbon dioxide, silica.

5.3 Advice for firefighters

Do not inhale combustion or explosion gas. Use a self-contained breathing apparatus.

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6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use individual protective equipment.

6.2 Environmental precautions

Do not allow to enter drains or surface water. Do not allow to disperse in the ground / subsoil.

6.3 Methods and material for containment and cleaning up

Collect with absorbent materials (eg sand, fossil flour, universal binder).
Dispose of the collected material in accordance with current legislation.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Manipulate the product after having consulted all the other sections of this safety data sheet.
Avoid dispersion of the product in the environment. Wash hands before every break and at the end of work.
Do not eat, drink or smoke during use.
Remove contaminated clothing and protective equipment before accessing the areas where you eat.
Avoid contact with eyes and skin. Do not breathe gas / vapor / aerosol.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in the original container.
Store closed containers in a well-ventilated area away from direct sunlight. Sensitive to frost!
Shelf life up to 12 months.

7.3 Specific end use(s)

Information not available.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

It does not contain substances with occupational exposure limit value.
DNEL / DMEL: You do not have values.
PNEC: You do not have values

8.2 Exposure controls

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374). The following must be considered for the final choice of the work glove material: compatibility, degradation, break time and permeation. In the case of preparations, the resistance of work gloves to chemical agents must be checked before use in as unpredictable. The gloves have a wear time that depends on the duration and the mode of use.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use in category II (see Directive 89/686 / EEC and EN ISO 20344). Wash with soap and water after removing protective clothing.

PROTECTION OF EYES

The product is not classified as an eye irritant. The need to protect the eyes must be ascertained in the context of a hazard assessment.

RESPIRATORY PROTECTION

In the event of formation of vapors / aerosols: For a short time, use filtering apparatus, combined filter A-P2.

HYDROSEAL**9 PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	Liquid
Colour	White
Odour	Distinctive
Odour threshold	Not available
pH	6 - 9
Melting point / freezing point	Not available
Initial boiling point	ca. 100°C
Boiling range	Not available
Flash point	> 100 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1 kg/l
Solubilità	Mixable in water
Partition coefficient:: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information

Not available

10 STABILITY AND REACTIVITY**10.1 Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

None in particular. However, follow the usual precautions with regard to chemicals.

10.5 Incompatible materials

Unknown

10.6 Hazardous decomposition products

If left immobile for a long period, alcohol may be formed by hydrolysis.

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral): No data available
Acute toxicity (inhalation): No data available
Acute (cutaneous) toxicity: No data are available
Skin corrosion / irritation: No data available
Serious eye damage / eye irritation: No data available
Respiratory or skin sensitization: No data available
Repeated dose toxicity: No data are available
Evaluation of CMR genetics
Carcinogenicity: no data available
Mutagenicity: No data are available
Teratogenicity: no data available
Reproductive toxicity: no data available
Specific target organ toxicity single exposure: No data are available
Specific target organ toxicity - repeated exposure: No data are available
Danger in case of aspiration: Classified as not dangerous if aspirated
Other information: Irritating to skin

12 ECOLOGICAL INFORMATION

Use according to good working practices, avoiding to disperse the product in the environment.

12.1 Toxicity

Information not available

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other adverse effects

Information not available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: In compliance with the regulations in force on the subject, send to an installation authorized by the incineration.

Contaminated containers: If the packaging is recycled or disposed of, the receiver must be informed of the possible dangers.

HYDROSEAL**14 TRANSPORT INFORMATION****14.1 ONU number**

Not applicable.

14.2 ONU shipping name

Not applicable.

14.3 Hazard classes connected to shipping

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

No relevant information.

15 REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**Seveso Category: NoneRestrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006 Product: Point 3Substances in Candidate List (Art. 59 REACH): NoneSubstances subject to authorisation (Annex XIV REACH): NoneSubstances subject to exportation reporting pursuant to (EC) Reg. 649/2012: NoneSubstances subject to the Rotterdam Convention: NoneSubstances subject to the Stockholm Convention: NoneHealthcare controls

Workers exposed to this chemical agent to health must undergo health checks according to the provisions of art. 41 of Legislative Decree n. 81 of April 9th 2008, unless the risk for the safety and health of the worker has been assessed irrelevant, according to art. 224 paragraph 2.

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

16 OTHER INFORMATIONS

Text of indications of hazard (H) mentioned in section 2-3 of the sheet:

H315 It causes skin irritation

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50% of the population subject to test
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization

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- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version.

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

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