



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

1 | Page

SDS EU/EN

1. Identification

Product identifier used on the label

STYACRYL PS25

REACH Registration Number

*** This product is a mixture and therefore not directly subject of the registration requirements under REACH.

Recommended use of the chemical and restriction of use

Styacryl PS 25 is surface sizing agent for paper and board based on modified styrene - acrylate copolymer.

Details of the supplier of the safety data sheet

ROZACHIM AD
Anton Strashimirov 53
5100 Gorna Oryahoviza.
Bulgaria

www.rozachim.eu

Emergency telephone number

+359 618 60843 or 112

Other means of identification

Chemicals family : Polymer , Dispersion , Emulsion

2. Hazards

Identification According to Hazardous Products Regulations (HPR) in accordance with EC directives (No 1272 /2008)

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

2 | Page

SDS EU/EN

Classification of the product

Eye Dam. /Irritation 2 Serious eye damage/eye irritation

Label elements



Pictogram: GHS 05

Signal Word: WARNING

Hazard Statement: H319 Causes serious eye irritation.

Precautionary Statements (Prevention):

P280 Wear eye/face protection.

P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

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

P337 + P311 if eye irritation persists: Call a POISON CENTER or doctor/physician.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered. If the product adheres to skin, irritation may occur when it dries.

Labeling of special preparations (GHS) in accordance with EC directives (No 1272 /2008)

Product contains the following components and may cause an allergic skin reaction: mixture of: 5- chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

3 | Page

SDS EU/EN

The substance may cause sensitization of the skin on particularly sensitive individuals. Based on our experience and the information available, no adverse health effects are expected, if handled as recommended with suitable precautions for designated uses.

Labeling in accordance with EC directives (No 1272 /2008)

Emergency overview

IRRITANT Irritating to eyes.

3. Composition / Information on Ingredients

Chemical characterization: Water borne copolymerisate dispersion. Basis: Styrene, Acrylic Acid ester. Plasticizer free.

Substances Not applicable

Mixtures According to Hazardous Products Regulations (HPR) *** See below

<u>CAS Number</u>	<u>EC Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
2199756-63-5	639-480-7	0.5 - 1.0 %	Alkyl Ether Sulfate, sodium salt

55965-84-9	0.0 - < 15 PPM	mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2- methyl-2H-isothiazol-3-one (3:1)
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<u>Components</u>	<u>1272/2008 CLP</u>	<u>Hazards Statements</u>
Isothiazol -3-one (3:1)	Acute oral toxicity - Category 4	H 302
	Skin corrosion / irritation - Category 2	H 315
	Serious eye damage / eye irritation - Category 1	H 318
	Skin sensitization - Category 1	H 317
	Acute aquatic toxicity - Category 1	H 400
Alkyl ether sulphate	Causes serious eye damage	H 318



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

4 | Page

SDS EU/EN

Substance of very high concern (SVHC)

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No.1907/2006 (REACH), Article 59)

4. First Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing

If inhaled:

Remove the affected individual into the fresh air and keep the person calm. Assist in breathing if Necessary. Immediate medical attention required.

If on skin:

Wash affected areas with soap and plenty water. Seek medical attention at need.

If in eyes:

Flush with water for at least 15 minutes. Seek medical attention at need.

If swallowed:

Immediately rinse mouth and then drink plenty of water. Seek medical attention prompt.

Most important symptoms and effect, both acute and delayed

Symptoms: The most important known symptoms and effect are described in the labeling sector

Indication of any immediate medical attention and special treatment needed

Treatment by medical

5. Fire-Fighting Measures

Extinguishing media

Water spray, foam, dry powder.



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

5 | Page

SDS EU/EN

Special hazards arising from substance or mixture

Hazards during firefighting:

No hazards known.

Advice for fire fighters

Protective equipment:

Should be equipped with self-contained apparatus.

Further information

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Fire extinguishing method of surrounded areas must be considered.

6. Accidental release measures

Further accidental release measures:

High risk of slipping due leakage/spillage of product

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Avoid contact with skin and eyes

Environmental precautions

Do not release untreated into natural waters

Methods and material for containments and cleaning up

For small amounts: Use absorbent material (e.g. sand, sawdust and some binders)

For large amounts: Pump off product

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. No special requirements.

Use ventilation.



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

6 | Page

SDS EU/EN

Conditions for safe storage, including any incompatibilities

Storage conditions:

Store protected against freezing

Protect from temperature below: 5 °C

The packed product decomposed at low temperature or by frost.

Protect from temperature above: 50 °C

The packed product must be protected of temperature above 50 °C.

8. Exposure Controls / Personal Protection

Advice on system design

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate

Hand protection:

Chemicals resistant protective gloves

Eye protection:

Tightly fitting safety chemical goggles

General safety and hygiene measures:

Hands and/or face should be washed before breaks and at the end of the shift. Avoid skin and eyes contact.

9. Physical and Chemical Properties

Form: Liquid
Odour: Lowest

Colour: White
PH value: Approx. 4.0 -9.0



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

7 | Page

SDS EU/EN

Information on: Water

Boiling point: 100 °C

Flammability: not flammable

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Density: Approx. 1.05 g/cm³ 20 °C

Relative density: Not date

Viscosity, dynamic: Approx. 3000 -15000 mPa.s

Solubility in water: Soluble

Particle size: 0.1 µm – 10.0 µm

10. Stability and Reactivity

Reactivity

No hazards reactions if stored and handled as prescribed

Corrosion to metal:

Not anticipated

Oxidizing properties:

Not fire propagation

Chemical Stability

The product is stable if stored and handled as prescribed

Possibility of hazardous reactions

No hazardous reactions when stored according to instructions. The product is chemically stable.

Conditions to avoid

Avoid extreme heat



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

8 | Page

SDS EU/EN

Incompatible materials

Metal salt

Hazardous decomposition products

Decomposition products:

Hydrocarbons

Thermal decomposition:

No decomposition reported

11. Toxicological information

Primary route of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity /Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

The statement has been derived from the products or from similar products.

Oral

Type of value: LD50

Species: rat

Value :> 2,000 -10,000 mg/kg

Inhalation

Type of value: ATE

Value :> 5mg/l

Exposure time: 4h

Dermal

Type of value: ATE

Value :> 5,000 mg/kg



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

9 | Page

SDS EU/EN

Assessments other acute effects

Assessment of STOT single:

Based on the available information there is no specific organ toxicity to be expected after single exposure.

Irritation / corrosion

Assessment of irritating effects: Irritating to eyes. Not irritating to skin. The product has not been tested. No data of irritation confirmed.

Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

Eye

Information on: Alkyl Ether Sulfate, sodium salt

Species: Rabbit

Result: Risk of damage to eyes

Sensitization

Assessment of sensitization. The product contain a mixture of 5- chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), (CAS#; 55965-84-9). The substance may cause sensitization of the skin on particularly sensitive individuals. Based on our experience and the information available, no adverse health effects are expected if handled as recommended.

Aspiration hazards

Not applicable

Chronic Toxicity /Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: No adverse effects were observed after repeated exposure in animal studies. The product has not been tested. The statement has been derived from substances/products.



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

10 | Page

SDS EU/EN

Genetic toxicity

Assessment of mutagenicity: The substance is not mutagenic. The product has not been tested. The statement has been derived from substances/products.

Carcinogenicity

Assessment of carcinogenicity: Whole of the information assessable provides no indication of carcinogenetic effect.

Reproductive toxicity

Assessment of reproduction toxicity: Not expected to cause reproductive toxicity, based on the composition.

Teratogenicity

Assessment of teratogenicity: Product not tested.

12. Ecological Information

Toxicity

Toxicity to fish

LC50 (96h) > 100 mg/l (OECD Guideline 203)

Aquatic invertebrates

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

Aquatic plants

EC50 (72h) > 100 mg/l Scenedesmus subspicatus (OECD Guideline 201)

Microorganisms / Effects on activated sludge

Toxicity to microorganisms

DIN EN ISO 8192-OECD 209-88/302/EEP,P.C activated sludge, domestic /EC20 (0,5h) : >100mg/l



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

11 | Page

SDS EU/EN

Persistence and degradability

Assessment biodegradation and elimination (H2O)

The product can be eliminated from water by absorption

Elimination information

>70% DOC reduction (OECD302B; ISO 9888; 88/302/EEC) easily eliminated from water.

Bio cumulative potential

Bioaccumulation potential

Based on its structural properties, the polymer is not biologically available. Accumulation in organism is not to be expected.

Mobility in soil

Assessment transport between environmental compartments

No data available

Additional information

Absorbable organically-bond halogen (AOX)

No data available

Other Ecotoxicological advice:

Do not release into natural water. All the present, no negative effects expected,

13. Disposal considerations

Waste disposal of substances:

Dispose in a licensed facility. Do not discharge into drains waters.

14. Transport Information

Land transport

TDG

Not classified as a dangerous good under transport regulations



ROZACHIM AD

Safety Data Sheet

According to regulation (EU) # 453/2010

STYACRYL PS 25

Revision date: 2015/05/29

Version: 5.1

12 | Page

SDS EU/EN

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/CAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Registration status:

Chemical DSL, CA released/listed

WHMIS

Classification D2B: Material Causing Other Toxic Effects
 Toxic Material

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND MSDS CONTAINS ALL THE INFORMATION REQUIRED.

16. Other Information

SDS: Prepared by ROZACHIM AD

SDS: Prepared on 05/05/2015