

Safety Data Sheet

[Prepared in accordance with Commission Regulation (EU) No 453/2010 of 20.05.2010].

SECTION 1: Identification of the substance/mixture and of the company

1.1. Product identifier

Trade name: **GeoStabil - component A**
Product category: **Adhesives, sealants, binders**

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

Identified uses: modified silicate resin, professional use for soil stabilization
Uses advised against: no relevant data

1.3. Details of the supplier of the safety data sheet

Supplier: **ResinBau Ltd.**
Address: 3 Frezerów Street, 20-209 Lublin, PL.
Phone/Fax: +48 731 904 000
E-mail address of the person responsible for the safety data sheet: info@resinbau.eu

1.4. Emergency phone number

112 (general emergency phone), 998 (fire department), 999 (medical emergency).

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification of the mixture according to Regulation (EC) No. 1272/2008

H302 - harmful if swallowed
H317 - irritates the skin
H318 - causes serious eye damage
H319 - irritates the eyes

2.2. Signage elements

Hazard pictogram



Warning word:
Danger, corrosive agents

Substances of concern

1344-09-8 Sodium hydroxide (50 % aqueous solution of sodium salt of silicic acid)
107-21-1 Ethylene glycol

Hazard statements

H302 Displays a skin irritant.
H315 May cause an allergic skin reaction.
H318 Is an eye irritant.
H319 May cause allergy or asthma symptoms or breathing difficulties due to inhalation.

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Precautionary statements

- P262 Do not get in eyes, on skin or on clothing
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 In case of skin contact: Remove contaminated clothing immediately. Wash skin with plenty of water.
P305+P351+P338 In case of eye contact: Flush contaminated eyes with clean water through steam minutes. Remove contact lenses, if necessary. Continue to wash. Consult a doctor.

2.3. Other risks

This substance/mixture does not contain any constituents considered to be persistent, bioaccumulative PBT or vPvB

SECTION 3: Composition/information on ingredients

3.2 Mixtures

The mixture contains the following hazardous substances and substances with specified maximum concentrations in the working atmosphere

Identification numbers	Name of the substance	Content in % by weight
CAS: 1344-09-8	Soda water glass	75-100
CAS: 107-21-1	Ethylene glycol	2-5

The full wording of all classifications and H-phrases is given in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If health complaints occur or in case of doubt, notify a doctor and provide him with the information from this safety data sheet. In case of unconsciousness, place the victim in a stable position on the side with the head slightly tilted and ensure that the breathing passages are clear, never induce vomiting.

If the victim is vomiting on his own, care should be taken to avoid choking on vomit. In the case of life-threatening situations first perform CPR on the victim and provide medical assistance. Apnea - immediately perform artificial respiration. Cardiac arrest - immediately perform indirect cardiac massage.

If it enters the respiratory tract

Immediately stop exposure, move the affected person to fresh air. Protect the affected person from the cold. Provide medical care if irritation, shortness of breath and other symptoms persist.

In case of skin contact

Put away the soiled clothing. Wash the affected area with plenty of - if possible - lukewarm water. If no skin lacerations, soap or soapy water can be used. Provide medical attention if skin irritation persists.

In case of getting into the eyes

Immediately rinse the eyes with a stream of water, dilate the eyelids (even with force); if the victim wears contact lenses, remove them immediately. Rinse for at least 10 minutes. Provide specialized medical care.

In case of ingestion

Rinse the mouth with water and drink 2-5 dl of water. In the case of a person with health problems, provide medical care.

4.2. Most important acute and delayed symptoms and effects of exposure

In case of respiratory inhalation

Irritation of the respiratory tract, coughing difficulty breathing, shortness of breath. asthmatic symptoms, pulmonary edema.

In case of skin contact

Redness, dryness of the skin. irritation.

In case of getting into the eyes

Redness, tearing, burning, irritation.

In case of ingestion.

Abdominal pain, vomiting, nausea.

4.3. Indication of any immediate medical attention and special treatment of the victim

Symptomatic treatment.

Other data

No other relevant information is available.

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SECTION 5: Fire fighting measures

5.1. Extinguishing agents

Non-flammable, non-explosive and non-flammable substance.
 Suitable extinguishing media: typical of local conditions and environment.
 Unsuitable extinguishing media: unknown

5.2. Special hazards associated with the substance or mixture

Do not allow extinguishing water to enter water mains or sewers

5.3. Information for the fire department

A water-soluble, strongly alkaline substance.
 Avoid direct contact with unprotected skin and eyes.
 Special measures are not necessary.

SECTION 6: Accidental release measures in case of accidental release into the environment

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing. Move unprotected persons to a safe place. Risk of slipping due to leakage/spillage of material.

6.2. Environmental precautions

Do not allow the product to enter the sewage system. In case of contamination of water bodies with the product - immediately notify the appropriate authorities

6.3. Methods and materials for preventing the spread of contamination and for the removal of contamination

Absorb in an inert absorbent material (sand, sawdust, silica gel). Collect the material in suitable containers (plastic barrels) and dispose of as waste according to p. 13. Ensure good ventilation.

6.4. References to other sections

See sections 7., 8. and 13.

SECTION 7: Handling and storage of substances and mixtures

7.1. Precautions for safe handling

Store in well sealed drums, cool and dry places. Do not inhale fumes/dust.
 Avoid contamination of skin and eyes.
 Do not eat or drink or smoke at the application site. Wash hands before meals and after finishing work

7.2. Conditions for safe storage, including information on any incompatibilities

Store in original, sealed and closed and labeled containers, in dry and shaded and ventilated places. Avoid formation and inhalation of aerosols.
 Do not use packaging coated with zinc or aluminum

7.3. Specific end use(s)

No information on uses other than those specified in subsection 1.2 of the charter.

SECTION 8: Exposure controls/personal protective equipment

8.1. Control parameters

The product does not contain significant amounts of materials whose limits would have to be controlled for workplace conditions.

The component to be controlled	CAS	Value
Soda water glass	1344-09-8	1.5 mg/m ³
Ethylene glycol	107-21-1	26 mg/m ³

8.2. Exposure control

Keep away from foodstuffs, beverages and feed. Remove soiled clothing immediately.
 Wash hands before break and after work Avoid contact with skin and eyes

Eye or face protection

Sealed goggles, visors or respirators

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Skin protection

Hand protection: Protective gloves (rubber, butyl or nitrile rubber). Use cleaning and skin care products

Other means of protection: Work protective clothing. Wash skin thoroughly if soiled.

Respiratory protection

Under normal conditions, no additional equipment is needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State of aggregation	liquid
Color	straw
Odor	faint, characteristic
Melting point/freezing	not specified
Boiling point or initial boiling point and boiling point range	above 150 °C
Ignition temperature	substance
Spontaneous ignition temperature	product is not spontaneously combustible
Explosion hazard	The product is not explosion hazard
pH	12
Viscosity at 23	°C 250 mPas
Solubility in	water product completely miscible
Density at 23°C	1.48 g/cm ³

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known hazardous reactions under conditions of normal use.

10.2. Chemical stability

Durable under normal conditions

10.3. Potential for hazardous reactions

They are not known.

10.4. Conditions to avoid

Unknown

10.5. Incompatible materials

Strong acids, alkali-reactive metals (aluminum, tin, zinc, lead)

10.6. Hazardous decomposition products

Unknown

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity

The substance does not exhibit acute toxic effects by any typical route of exposure.

Corrosive/irritating effect on skin

Causes skin irritation. Data for the components of the mixture are not available.

Serious eye damage/eye irritation

Irritating to eyes. Data for the components of the mixture are not available.

Respiratory or skin sensitization effect

No data available

Mutagenic effect on germ cells

No data available for the mixture or components. Based on available data, the classification criteria for the mixture are not met.

Carcinogenic effects

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

Reproductive toxicity

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

Toxic effects on target organs - single exposure

No data available

Toxic effects on target organs - repeated exposure

No data available

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Toxicity by inhalation

No data available

Experience with human exposure

No data available

11.2. Information on other risks

The mixture does not contain substances with endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

No data available for the mixture or components.

12.3. Bioaccumulative potential

No data available for the mixture or components.

12.4. Mobility in soil

Data for the mixture are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain substances meeting the criteria for PBT or vPvB substances according to Annex XIII, Regulation (EC) No. 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other harmful effects

The mixture does not contain substances with endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 13: Waste treatment

13.1. Waste disposal methods

Must not be treated together with household waste. Do not allow to enter the sewage system.
Suggested classification according to the current waste catalog: 07 02 08 - Other distillation and reaction residues.
Uncleaned packaging: Dispose of in accordance with applicable regulations
Recommended cleaning agent: Water with possible addition of detergents

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

irrelevant

14.3. Transport hazard class(es)

irrelevant

14.4. Packaging group

irrelevant

14.5. Threats to the environment

irrelevant

14.6. Special precautions for users

Cross-reference in sections 4 through 8.

14.7. Maritime transport in bulk in accordance with IMO instruments

irrelevant

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific to the substance or mixture

Act of February 25, 2011 on substances and their mixtures (Journal of Laws 2011 No. 63, item 322).
Regulation of the Minister of Health of April 20, 2012 on the labeling of packages of hazardous substances and mixtures and some mixtures (Journal of Laws 2012 No. 0, item 445).
Ordinance of the Ministry of Economy and Labour (MGiPS) of November 29, 2002 on the highest permissible concentrations and intensities of factors harmful to health in the working environment (Dz.U. 20012 No. 217poz. 1833, as amended).
Government Statement dated March 23, 2011 on the entry of amendments to Annexes A and B of the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) drawn up in Geneva on September 30, 1957(Journal of Laws 2011 No. 110, item 641)
Act of May 11, 2001 on packaging and packaging waste (Journal of Laws No. 63, item 638, as amended) Regulation of the Ministry of the Environment of September 27, 2001 on waste catalog (Journal of Laws No. 112, item 1206)
Regulation of the European Parliament and of the Council of 1907/2006 EC of December 18, 2006 on registration, evaluation, authorization and restriction of chemicals (REACH), creation of the European Agency
Chemicals, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation(EC) No 1488/94, as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
Regulation 1272/2008/EC of the European Parliament and of the Council of December 16, 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006
Regulation (EC) No. 453/210 of May 20, 2010 amending Regulation (EC) No. 1907/20016 of the European Parliament and of the Council concerning the registration, evaluation, authorization and restriction of chemicals.

15.2. Chemical safety assessment

lack of data

SECTION 16: Other information

List of hazard statements used in the safety data sheet H302 Harmful if swallowed.

H315 Irritating to skin
H318 Causes serious eye damage.
H319 Irritating to eyes

List of precautionary statements used in the safety data sheet P262 Do not get into eyes, on skin or on clothing.

P280 Use protective gloves.
P303+P361+P353 In case of skin contact: Remove contaminated clothing immediately. Wash skin with plenty of water.
P305+P351+P338 In case of getting into eyes: Flush contaminated eyes with clean water for a few minutes. Remove contact lenses, if necessary. Continue to wash. Consult a doctor.

Training tips

Familiarize employees with the recommended method of use, mandatory protective measures, first aid and prohibited methods of handling the product.

Recommended restrictions on use

lack of data

Statement

The safety data sheet contains data to ensure safety and health protection at work and protection of the environment. The data provided correspond to the current state of knowledge and experience and are in accordance with applicable laws. They cannot be considered a guarantee of the suitability and usability of the product for a specific application.