

SAFETY DATA SHEET



According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

ANNEX-2-

1. IDENTITY OF THE SUBSTANCE/MIXTURE AND THE COMPANY/DISTRIBUTOR

1.1. Substance Identification of the Mixture

Product Description/Name: BETTOLITH SL COMPONENT A

Product Code -

Chemical Family Mixture

1.2. Identified Appropriate Uses of the Substance or Mixture and Non-Recommended Uses:

Proper Use: Urea-silicate grout

Non-Recommended Use: No information available

1.3. Safety Data Sheet Supplier's Information

Company Name BETTON YAPI KİMYASALLARI SAN VE TİC LTD ŞTİ.

Address DES SANAYİ SİTESİ 112.SOKAK D2 BLK NO 2 ÜMRANIYE İSTANBUL / TÜRKİYE

Telephone 00-90-216-3141211

Fax 00-90-216-3646254

Email safiye@betton.com.tr

Web www.betton.com.tr

1.4. Emergency Phone Numbers

Company Consultation 00-90-216-3141211

UZEM (National Poison Information Center) 114 / Emergency Services 112

2. IDENTIFICATION OF HARMFULNESS

2.1. Classification of the substance or mixture

H315 *Skin corrosion/irritation, Hazard Category 2*

H318 *Serious eye damage/eye irritation, Hazard Category 1*

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

2.2. Label Elements/Statements Required to Be Specified on the Label

Hazard Sign/Pictogram



GHS05

Warning Word



GHS07

DANGER

Hazard Statement

- H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary Statements

- P280 Wear protective gloves/protective clothing/eye protection/ face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician
P332+P313 If skin irritation occurs: Get medical advice/attention.
P405 Store locked up..
P501 Dispose of contents/container according to regulations

Components That Determine Labeling:

Silicic acid, sodium salt; Ethane-1,2-diol

2.3. Other Hazards;

This substance/mixture is persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher, or very persistent and very It does not contain any ingredients that are considered bioaccumulative (vPvB)

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

3.COMPOSITION/ INFORMATION ABOUT INGREDIENTS

3.1. Substances Not apply

3.2. Mixtures See the table.

				CLASSIFICATION	
RAW MATERIAL/COMPONENT	CAS NO	EC NO	CONTENT %	Hazard Class Code and Category Code	Hazard Expression Code*
Silicic acid, sodium salt	1344-09-8	215-687-4	50-100	Skin Irrit. 2 Eye Dam. 1	H315 H318
Ethane-1,2-diol	107-21-1	203-473-3	2.5	Acute Tox. 4 *	H302

* For the full text of the H statements: See 16. Section Article 16.6.1.

*** Special limit

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

4.FIRST AID MEASURES

4.1. Description of First Aid Measures

Seek medical attention in case of any ailments. Show this safety data sheet to the doctor.

4.1.1 . In contact with the eye

Rinse carefully with water for a few minutes.

In case of any ailment, seek medical help from health units.

4.1.2. In contact with skin

In case of contact with skin, wash your hands with soap and rinse with water

In case of any ailment, seek medical help from health units.

4.1.3. Respiration

If breathing becomes difficult, go out/out into the open air.

In case of any ailment, seek medical help from health units.

4.1.4. Ingestion

Rinse with water. Do not induce vomiting. Transport to the place where emergency care will be performed.

4.2. Severe, Acute or Delayed Symptoms and Effects

The most important known symptoms and effects are described on the label (see section 2.2) and/or section 11.

4.3. Information Regarding Medical Emergency Assistance or Special Treatment

There is no known specific antidote. Apply treatment according to the symptoms.

5.FIRE FIGHTING MEASURES

5.1. Fire Extinguishers

Powder, alcohol-resistant foam or carbon dioxide (CO₂). Water can be used to cool containers.

5.2. Special damages caused by the substance or mixture

Its degradation can produce toxic fumes.

5.3. Advice for Firefighting Teams

During possible firefighting, the personnel in charge should use a respirator and protective fire suit.

6. PRECAUTIONS TO BE TAKEN AGAINST POST-ACCIDENT SPREAD

6.1. Personal Precautions, protective equipment and emergency procedures

Protective equipment : Wear recommended personal protective equipment. Contingency plans: Ventilate the spill area. Do not come into contact with or walk on spilled product. Evacuate unnecessary personnel. Signify the boundaries of the contaminated area and prevent all unauthorized personnel from accessing the area. Protective equipment : Do not attempt to intervene without appropriate protective equipment. For more information, see section 8: "Exposure controls/personal protection". Only with appropriate protective equipment

Equipped qualified personnel can intervene. Wear appropriate protective clothing, protective gloves, safety goggles/mask. Contingency plans : Avoid contact with skin and eyes. DO NOT touch the spilled substance. Evacuate unnecessary personnel. Keep away from flammable materials. Keep people out of the danger zone.

Sewers, basements and work pits, or any other place that could be dangerous to accumulate

Prevent him from entering a place. Ventilate the area. Stop the leak if it is safe.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

6.2. Environmental Measures

Avoid release into the environment. Do not allow it to get into the sewer network or streams.

Do not discharge into sewer networks or water channels without neutralizing.

6.3. Methods and Materials for Preservation and Cleaning

For limitation : Follow the safety instructions. Cool with inert absorbent material (e.g. sand, sawdust, a universal binding agent, silica gel). To prevent all spills from being carried and entered into sewers or streams, control them by building a barrier around them or with absorbents.

Cleaning operations: Clean up spills as soon as possible by using an absorbent material to collect. Absorb with liquid binding agent (e.g. sand, diatomic earth, or all-purpose binders). Sweep or shovel spills into containers suitable for disposal.

Other information : Dispose of material or solid residues at an authorized facility. Dispose of contaminated materials in accordance with current legislation.

6.4. References to Other Sections

Liquidate in accordance with Article 13.

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Ensure good ventilation in the work area. Wear personal protective equipment. Avoid prolonged and repeated contact with the skin. Do not take contaminated clothing out of the workplace. Do not spray/pour towards flames or other sources of fire. Floors, walls and other surfaces in the danger zone should be cleaned regularly. Keep throttle valves free of grease and oil. To prevent or minimize the spread of the product in the workplace

Take all necessary technical measures. Take preventive measures against static discharge. Sealed containers should be protected from heat, as this will cause pressure build-up. Hygiene measures : Do not eat, drink or smoke while using this product. Always wash your hands after handling the product.

7.2. Conditions for Safe Storage, Including Incompatibilities

Technical measures: Comply with the applicable legislation. Opened containers are properly reused to prevent leakage. It must be closed and kept upright. Ensure adequate ventilation, especially in confined spaces.

Sources of fire must be kept closed.

Storage conditions : Store in a well-ventilated place. Keep cool.

Incompatible Conditions: Extremely high or low temperatures.

Heat and ignition sources: Do not smoke. KEEP CHEMICAL SUBSTANCES AWAY FROM THEM: ignition sources. Heat sources.

Information on mixed storage : Keep away from food, beverages and animal feed.

Storage location : Avoid: Extremely high or low temperatures. Heat and ignition sources.

7.3. Certain End Uses

No information is disclosed except for the uses specified in Section 1.2.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control Parameters: No information available

Ethane-1,2-diol/ 107-21-1: Data for WORKERS

INHALATION

Local Effects

Long-term:(DNEL) 35 mg/m³skin irritation/corrosion

DERMAL

Systemic Effects

Long-term:(DNEL) 106 mg/kg bw/day repeated dose toxicity

8.2. Exposure Limitation and Supervision

Personal Protection: Wear protective gloves/ eye protection/ face protection.

Proper engineering controls: Ensure good ventilation in the work area.

Avoid contact with skin, eyes and clothing.

Carry out work outdoors/under local exhaust/with ventilation or respiratory protection device.

Ex. Consider using a work permit system for remodeling activities.

In case of any potential exposure, emergency eyewash fountains and safety in the relevant area showers should be available. In the event of dust and/or fine particles being formed with this product, this minimizing long-term exposure to formations by inhalation, occupational exposure limit

It will be prudent in order not to exceed its value. Concentrations at regular intervals and employees

Measure every change in conditions that are likely to have an impact on exposure.

Personal protective equipment: Safety glasses. Gloves.

Hand protection : Protective gloves. EN 374

Eye protection : Safety goggles. EN 166. Wear safety goggles where there may be excessive dust/steam/fog

Protection of skin and body: Use appropriate protective clothing. In case of dust production: dustproof suit.

Protection of the respiratory tract : Wear appropriate respiratory equipment in case of poor ventilation.

Environmental exposure controls: Avoid release to the environment.

Exposure control of the consumer: Do not consume food, drink or cigarettes during use.

Always wash your hands after handling the product. Avoid contact with skin and eyes.

Other information : Always wash your hands after handling the product.

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, as well as after work.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical Condition/Color	Liquid/ Yellowish
Odor	Characteristic
Odor Threshold	No data or is not applicable
pH 20 °C	No data or is not applicable
Melting Point/Freezing Point	No data or is not applicable
Initial boiling point and boiling range	No data or is not applicable
Flash point	No data or is not applicable
Evaporation rate	No data or is not applicable
Ignition temperature	No data or is not applicable
Top/bottom flammability or explosion limits	No data or is not applicable
Vapour pressure 20 °C	No data or is not applicable
Vapor density	No data or is not applicable
Density 20 °C	1470 ± 30 kg/m ³
Solubility in water	No data or is not applicable
Dispersion coefficient (dotnol/water)	No data or is not applicable
Autoignition temperature	No data or is not applicable
Decomposition temperature	No data or is not applicable
Viscosity 20 °C	330 ± 80 mPa*s
Explosiveness properties	No data or is not applicable
Oxidizing properties	No data or is not applicable

9.2. Other Data

No data available

9.2.1 Information with regard to physical hazard classes

No additional information

9.2.2 Other safety characteristics

No additional information

10. STABILITY AND REACTION

10.1. Reaction

No hazardous reactions have been observed when using it under normal storage conditions.

10.2. Chemical Stability

It does not perform any deformation under recommended storage conditions.

10.3. Possibility of Harmful Reactions:

It does not contain the possibility of Dangerous Reactions.

10.4. Situations to Avoid

Very high/low temperatures.

10.5. Items to Avoid

Strong oxidizing agents, strong acids, strong bases

10.6. Harmful Decomposition Products

Carbon monoxide may be released during a fire.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

11. TOXICOLOGY INFORMATION

11.1. Information on Toxicological Effects

Acute toxicity: The data belong to the component(s) that determine the classification and for which toxicity values can be reached.

Silicic acid, sodium salt/ 1344-09-8: Oral:LD50 3 400 - 5 150 mg/kg bw (rat) [4]

Dermal: LD50 5 000 mg/kg bw (rat) [2]

Inhalation: LC50 (4 h) 2.06 mg/L air (rat) [2]

Ethane-1,2-diol/ 107-21-1: Oral :Adverse effect observed LD50 7 712 mg/kg bw

Inhalation :Adverse effect observed Discriminating conc. 2.5 mg/L air

Dermal :Adverse effect observed Discriminating dose 3 500 mg/kg bw

Skin abrasion/irritation:

Classified ; effect available

Serious eye damage/eye irritation:

Classified ; effect available

Respiratory tract or skin sensitization:

Not classified

Germ cell mutagenicity:

Not classified

Carcrogenetic:

Not classified

Reproductive system toxicity:

Not classified

Specific Target Organ Toxicity – Single exposure:

Not classified

Specific Target Organ Toxicity – Repeated exposure:

Not classified

Aspiration Toxicity:

Not classified

11.2 Information on other hazards

No additional hazards

11.2.1 Endocrin disrupting properties

No additional information

11.2.2 Other information

No additional informaiton

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

12. ECOLOGICAL INFORMATION

12.1. Toxicity

*Silicic acid, sodium salt/ 1344-09-8: Short-term toxicity to fish: LC50 (4 days) 260 - 1 108 mg/L [4]
LC100 (4 days) 1.949 g/L [2]
NOEC (4 days) 348 mg/L [2]
Short-term toxicity to aquatic invertebrates: EC50 (48 h) 1.7 g/L [2]
EC0 (48 h) 100 mg/L [2]
EC100 (48 h) 10 g/L [2]
Toxicity to aquatic algae and cyanobacteria: EC50 (72 h) 207 - 345.4 mg/L [4]
EC0 (72 h) 35 mg/L [2]
Toxicity to microorganisms: EC0 (18 h) 348 - 3 480 mg/L [4]
EC0 (30 min) 3.454 g/L [2]
Toxicity to terrestrial arthropods: LD0 (48 h) 25 µg per animal [2]
LD50 (48 h) 25 µg per animal [2]*

*Ethane-1,2-diol/ 107-21-1: Short-term toxicity to fish: LC50 (4 days) 49 - 72.86 g/L [5]
Long-term toxicity to fish: NOEC (28 days) 40 mg/L [4]
LC50 (28 days) 1.5 g/L [1]
Short-term toxicity to aquatic invertebrates: EC50 (48 h) 100 mg/L [1]
LC50 (24 h) 74.484 g/L [1]
EC0 (48 h) 100 mg/L [1]
EC100 (48 h) 100 mg/L [1]
Long-term toxicity to aquatic invertebrates: NOEC (7 days) 8.59 - 24 g/L [2]
Toxicity to aquatic algae and cyanobacteria: IC50 (4 days) 10.94 g/L [1]
NOEC (72 h) 100 mg/L [2]*

12.2. Permanence and Degradability:	<i>No data</i>
12.3. Bioaccumulation Potential:	<i>No data</i>
12.4. Mobility in Soil:	<i>No data</i>
12.5. PBT and vPvB Evaluation Results:	<i>No data</i>
12.7. Endocrine disrupting properties:	<i>No data</i>
12.6. Other Adverse Effects:	<i>No data</i>

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

13. DISPOSAL INFORMATION

13.1. Waste Processing Methods

Dispose of in accordance with regulations.

Waste must be delivered to approved waste disposal companies.

It should not be mixed with other types of waste until the waste is removed.

Do not dispose of waste into city sewer systems.

Where possible, recycling should be preferable to disposal or disposal.

The disposal of empty waste packaging should be the same as full packaging.

14. INFORMATION ON TRANSPORTATION

14.1. UN No

UN No. (ADR) -

UN No. (IMDG) -

UN No. (IATA) -

It is not classified as a dangerous product according to RID, ADR, ADN, IMDG, IATA-ICAO, DGR. It is not dangerous for transportation.

14.2. UN's Proper Shipping Name

Not classified

14.3. Transport Hazard Classes

ADR Class - -

IMDG Class - -

IATA Class - -

Tag No - -

14.4. Packaging Group

ADR -

IMDG -

IATA -

Class Label

Environmental Label

14.5. Environmental Hazards

Not classified

14.6. Special Security Measures for the User

Not classified

14.7. Public Transport according to MARPOL 73/78 Annex II and IBC Code

Information not available

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

15. REGULATORY INFORMATION

15.1. Substance or mixture-specific safety, health and environmental legislation

15.1.1. Legal Provisions

- 11/12/2013-28848 (Duplicate) Classification, Labeling of Substances and Mixtures and Regulation on Packaging
- 13.12.2014-29204 Regulation on Safety Data Sheets for Harmful Substances and Mixtures
- 23.06.2017 Official Gazette Number: 30105 Regulation on Registration, Evaluation, Permission and Restriction of Repeated Chemicals
- Regulation on Health and Safety Precautions in Working with Chemicals, dated 12 August 2013 and numbered 28733.
- Regulation No. 28695, dated July 2, 2013, on the Use of Personal Protective Equipment at Workplaces.
- Occupational Health and Safety Law No. 6331, dated 30 June 2012.
- Regulation on Control of Hazardous Wastes, dated March 14, 2005 and numbered 25755.
- 27.01.2018 Official Gazette Number: 30314 Regulation on Detergents

15.1.2. Chemical Safety Assessment

No chemical safety assessment has been implemented.

16. OTHER INFORMATION

16.1. Revision Information

Revision state: initial preparation

16.2. Abbreviations and Acronyms

CLP : Classification, Labelling and Packaging

CAS : Chemical Abstracts Service

EINECS Number: The number given by the European Commission according to the structural feature of the substance.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
(European Agreement on the International Carriage of Dangerous Goods by Road)

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
(Regulation on the International Transport of Dangerous Goods by Rail)

ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways
(European Convention on the Carriage of Dangerous Goods by International Inland Waterways)

IMDG: International Maritime Code for Dangerous Goods
(Rules for the Transport of Dangerous Goods by Sea)

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association - Uluslararası Hava Taşımacılığı Birliği

LC50 : Lethal concentration, 50 percent – (Lethal concentration)

LD50: Lethal dose, 50 percent – (Lethal dose)

EC50 : Effective concentration, 50 percent-

NOEC : No effect concentration

PBT : Persistent, Bioaccumulative and Toxic

vPvB : very Persistent, very Bioaccumulative

OEL: Level of Occupational Exposure

TWA : Time-weighted average measured or calculated for a specified reference period of 8 hours.

ppm : The amount of substance in 1 m³ air in milliliters (ml / m³).

STEL : Upper limit value of exposure not to be exceeded for a period of 15 minutes, unless another time is specified

DMEL: Smallest Derived Effect Level

DNEL : Derived Effect Non-Observed Level

PNEC : Predicted Inert Concentration

MARPOL: International Convention for the Prevention of Pollution from Ships

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

16.3. Mixtures according to legislation EC 1272/2008 (CLP)**Classification and Procedure Used to Obtain Its Classification**

Classification in accordance with EU regulation 1272/2008 [CLP]

16.4. H and P Notifications Regarding Label Elements (Number and Full Text)

H315 Causes skin irritation.

H318 Causes serious eye damage.

P280 Wear protective gloves/protective clothing/eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

+P338 to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician

P332+P313 If skin irritation occurs: Get medical advice/attention.

P405 Store locked up..

P501 Dispose of contents/container according to regulations

16.5 Training Recommendations

It is recommended to use the product in accordance with the instructions on the label with normal use.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Product Name: BETTOLITH SL COMPONENT A

16.6. More/Other Information

16.6.1. Full Text of Hazard Expression Codes (Chapter 3; Full Text of ' H ' Expressions)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.

16.6.2. Safety Data Sheet General Information

It should only be used as recommended. It should not be mixed with other chemicals. All data above We have tried to provide accurate information as much as we can. Substance/mixture; This form has been created in line with the substances declared by the manufacturer/supplier company and their composition, the raw material content information declaration is the responsibility of the Manufacturer/Supplier Company. The Safety Data Sheet Preparation cannot be held responsible for any material/moral damages arising from misrepresentation or insufficient information about this product, for which the Safety Data Sheet is prepared. All known and possible hazards related to the product have been tried to be presented to the user correctly. In addition, each product is likely to present dangers that have not yet been discovered. The Manufacturer/Supplier/License Holder Company and the Safety Data Sheet Preparation are not responsible for the consequences that may arise beyond our knowledge and/or control depending on the place of use and conditions of use. This safety data sheet cannot be used for purposes such as analysis certificate, quality certificate. Users should take into account the information presented in this Safety Data Sheet, have the installation of product-related equipment done by qualified persons in accordance with the methods specified in national and international standards; We strongly recommend that they have additional safety equipment and take precautions as stipulated by the applicable legislation and standards and specified by the device manufacturers. All rights reserved.-2025

Safety Data Sheet Preparation (Licensed) / Certificate No Esat Sinan ALTIN / NBC/04.24.05

Safety Data Sheet Preparation Certificate Validity Date: 12.07.2028

Safety Data Sheet Maker contact/email info@msds-turkey.com

Safety Data Sheet Maker Web www.msds-turkey.com

