

SAFETY DATA SHEET

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



SDS Form No: GM.044

Date of Issue: 28.12.2022

Date of Revision:-
Version:00-01

ExperProof SS 80

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Product Name	ExperProof SS 80
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1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Silica-Silicate based, UV resistant, colorless, liquid, water repellent and surface protector- For professional and consumer users.

1.3 Details of the supplier of the safety data sheet:

Company:	GÜVEN MADENCİLİK İNŞ. ve TİC. AŞ.
Address:	Ege Perla B Kule Kat:23 No:231/232 Konak İZMİR
Telephone:	+90 (232) 422 03 93
Related person for SDS e- mail address	Abdurrahman SAL asal@okkagroup.com.tr


1.4 Emergency telephone number:

Emergency Phone:	+90 (232) 422 03 93
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2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification According to Regulation (EC) No 1272/2008 (CLP/GHS)	
Environmental hazards	Aquatic Chronic, Category 3, H412
Health hazards	Eye Irritation, Category 2, H319

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2.2. Label elements

Labelling According to Regulation (EC) No 1272/2008 (CLP/GHS)	
Hazard Pictograms:	
Signal word	Warning
Hazard statements	H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects.
Supplemental hazard statement	EUH208: Contains (Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-2H -isothiazol-3-one [EC no. 220-239-6](3:1 and 3-aminopropyltriethoxysilane). May produce an allergic reaction.
Precautionary statements	
Prevention	P102: Keep out of reach of children. P264: Wash with water thoroughly after handling P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
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+P313: If eye irritation persists: Get medical advice/attention.
Disposal	P501: Dispose of contents/container to according to local regulations.

2.3 Other hazards: This mixture does not contain any PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XVIII.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances

Not application.

3.2 Mixture

Components			
Chemical Name	Product Identifier	Content (%)	Classification (CLP) (No1272/2008)
Ethane-1,2-diol	Cas No: 107-21-1 EC No:203-473-3	<1	Acute Tox. 4, H302 STOT RE 2, H373

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Isotridecanol, ethoxylated	Cas No: 69011-36-5 EC No: 500-241-6	<1	Eye Dam. 1, H318 Aquatic Chronic 3, H412
3-aminopropyltriethoxysilane	Cas No: 919-30-2 EC No: 213-048-4	<0,2	Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1B, H317
Cetrimonium chloride	Cas No: 112-02-7 EC No: 203-928-6	<0,2	Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)
1,6-Dihydroxy-2,5-dioxahexane	Cas No: 3586-55-8 EC No: 222-720-6	<0,1	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318
Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one[EC no. 247-500-7] and 2-Methyl-2H -isothiazol-3-one [EC no. 220-239-6](3:1)	Cas No: 55965-84-9	<0,001	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) Skin Sens. 1A, H317 EUH071 <u>Specific Concentration Limits</u> Skin Corr. 1C; H314: C ≥ 0,6 % Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 % Eye Dam. 1; H318: C ≥ 0,6 % Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 % Skin Sens. 1A; H317: C ≥ 0,0015 %

H and EUH phrases full text of: see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

General Advice: If symptoms persist, call a physician.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

Skin contact: Wash off immediately with plenty of water for at least 15 minutes.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Ingestion: Drink plenty of water in small portions only if the person is conscious. Get medical attention if symptoms occur.

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

None reasonably foreseeable.

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

Notes for the doctor: Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: The product is non-flammable. Use suitable extinguishing agent for surrounding material and type of fire.

Extinguishing media which must not be used for safety reasons: No information available.

5.2 Special hazards arising from the product

Special hazards: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3 Advice for firefighters

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Advice for firefighters: No special measures required. Use methods suitable to surrounding conditions. Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as specified in Section 8. Ensure good ventilation. Avoid contact with skin and eyes. In case of contact with skin and / or eyes wash with plenty of water. Avoid breathing the vapours. Remove your contaminated clothing and wash it before using it again. Carry out emergency procedures.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Ventilate the environment. Avoid breathing the vapours. Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Stop leakage if the environment is safe. Absorb spillage with sand, soil, vermiculite or suitable commercial sorbents. Flush the spill area with water. Dispose of collected material or wastes according to local regulations. Dispose of the wastes according to Article 13.

6.4 Reference to other sections

Wear protective clothing as shown in Section 8 of this Safety Data Sheet. See section 7 for safe handling. See section 13 for disposal of wastes.

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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Ensure adequate ventilation. Work with industrial hygiene standards and common rules to prevent inhalation, ingestion, exposure to the skin and eyes during use of chemicals. Remove contaminated clothing and wash before using again. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. All packages should be handled with care and when not in use; should be kept tightly closed. Follow the instructions for use specified by the supplier. Avoid ingestion and inhalation. Do not get in eyes, on skin, or on clothing. Follow the instructions for use specified by the supplier. Keep out of reach of children.

7.2. Conditions for safe storage, including any incompatibilities

Storage measures: Keep container tightly closed in a dry and well-ventilated place. Protect it from direct sunlight. Keep the product in its original packaging. Opened packages should be protected by tightly sealing the mouths. Protect containers from physical damage. Follow the supplier's storage instructions on the label. Keep out of reach of children.

7.3 Specific end use(s)

Specific end use(s): No additional information available.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Control parameters

No exposure limits noted for ingredient(s).

8.2. Exposure controls

8.2.1 Appropriate engineering controls: Ensure good ventilation of the work station.

8.2.2 Personal protective equipment

Eye/face protection: Use safety goggles that have been tested and approved in accordance with standards such as NIOSH (US) or EN 166 (EU).

Protection of hands: Use chemical-resistant protective gloves complying with EN 374.

Other skin protection: Wear suitable protective clothing to prevent skin exposure.

General protective and hygiene measures: The usual precautionary measures are to be adhered to when handling chemicals. Do not breath vapours. Avoid contact with skin, eyes and contaminated clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work. Ensure that eyewash stations and emergency showers are close to where the work area is located.

Respiratory protection: In cases where the ventilation is insufficient and aerosols are present; Respiratory protection tested and approved according to relevant official standards such as NIOSH (USA) or CEN (EU) should be worn. No protective equipment is needed under normal use conditions.

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8.2.3 Control of environmental exposure

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance <i>Physical state</i> <i>Colour</i>	Liquid Transparent
Odour	Odourless
Solubility	No data available.
Initial boiling point and boiling range	No data available.
Melting point	No data available.
Ph value	≥7
Flash point	No data available.
Auto-ignition temperature	No data available.
Upper/lower flammability or explosive limits	No data available.
Flammability	No data available.
Bulk density	No data available.
Relative density	1,05 gr/cm ³
Vapour pressure	No data available
Specific gravity	No data available.
Viscosity	250-1500 mPa.s
Partition coefficient (n-octanol/water)	No data available.
Oxidising properties:	No data available.
Explosive Properties:	No data available.
Particle characteristics	No data available.

9.2 Other informations

No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

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10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

ATE_{MIX} oral LD 50: >2000 mg/kg (calculation method)

ATE_{MIX} dermal LD 50: >2000 mg/kg (calculation method)

ATE_{MIX} inhalation LC 50: >20 mg/l (calculation method)

(Cas No: 107-21-1)- Ethane-1,2-diol

LD50 oral:500,1 mg/kg

LD50 dermal: >3500 mg/kg (mouse) (ECHA)

LC50 inhalation:<2,5 mg/l- aerosol (ECHA)

(Cas No: 112-02-7)- Cetrimonium chloride

LD50 Oral - Rat - male and female - 699 mg/kg (OECD Test Guideline 401)

Acute toxicity estimate Dermal - 528 mg/kg (Expert judgment)

(Cas No:55965-84-9) Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H - isothiazol-3-one (3:1)

LD50 Oral - Rat - male and female - 66 mg/kg (OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h - 0,171 mg/l – aerosol(OECD Test Guideline 403)

LD50 Dermal - Rabbit - male - 87,12 mg/kg Remarks: (ECHA)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Eye Irritation, Category 2, H319was classified in-Causes serious eye irritation.

Respiratory/Skin Sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT (single exposure): Based on available data, the classification criteria are not met.

STOT (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties: No data available.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

12.1. Toxicity

(Cas No: 112-02-7)- Cetrimonium chloride

- Toxicity to fish: static test LC50 - Danio rerio (zebra fish) - 0,19 - 0,29 mg/l - 96 h
(OECD Test Guideline 203)
- Toxicity to daphnia and other aquatic invertebrates: static test: EC50 - Daphnia magna (Water flea) - 0,280 mg/l - 48 h (OECD Test Guideline 202)
- Toxicity to algae:static test NOEC - Pseudokirchneriella subcapitata (green algae) - 0,04 mg/l - 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products)
:static test ErC50-Pseudokirchneriella subcapitata(green algae)-0,08 mg/l-72h
(OECD Test Guideline 201) Remarks: (in analogy to similar products)
- Toxicity to bacteria: static test EC50 -Pseudomonas putida-0,96 mg/l - 16h (DIN 38 412 Part 8)

(Cas No:55965-84-9) Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H - isothiazol-3-one (3:1)

EC₅₀ / 72 h 0,048 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322

EC₅₀ / 48 h 0,1 mg/l (Daphnia magna) (OECD 202) S 52

0,0052 mg/l (Skeletonema costatum) (DIN EN ISO 10253) CAR

LC₅₀ / 96 h 0,22 mg/l (Onchorhyncus mykiss) (OECD 203) S 6

NOEC / 48 h 0,00064 mg/l (Skeletonema costatum) (DIN EN ISO 10253)

NOEC / 21 d 0,004 mg/l (Daphnia magna) (OECD 211) S 52

NOEC / 28 d 0,098 mg/l (Onchorhyncus mykiss) (OECD 210) S 117

NOEC / 72 h 0,0012 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322

Toxicity to organisms in activated sludge:EC₅₀ / 3 h 7,92 mg/l (activated sludge) (OECD 209)

EC₂₀ / 3 h 0,97 mg/l (activated sludge) (OECD 209)

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12.2.Persistence and degradability

No data available.

12.3.Bioaccumulative potential

No data available.

12.4.Mobility in soil

No data available.

12.5.Result of PBT and vPvB assessment

This mixture does not contain any PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XVIII.

12.6.Endocrine disrupting properties

None of the ingredients/components is listed at ECHA's endocrine disrupter (ED) assessment list.

12.7.Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1.Waste treatment methods

Waste from Residues/Unused Products: Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Contaminated Packaging: Dispose of this container to hazardous or special waste collection point.

European Waste Catalogue (EWC): According to the European Waste Catalog, Waste Codes are not product specific, but application specific.

Other Information: Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains.

14. TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1.UN Number:

Not applicable

14.2.UN proper shipping name:

Not applicable

14.3.Transport hazard class(es):

Not applicable

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14.4. Packing Group:

Not applicable

14.5. Environmental hazards:

Not applicable.

14.6. Special precautions for user:

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)
- CLP (classification, labelling and packaging) Regulation (EC) 1272/2008
- Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)
- **Regulation (EC) No 1907/2006 Annex XVII:** Contains no REACH substances with Annex XVII restrictions.
- **REACH Annex XIV (Authorisation List):** Contains no REACH Annex XIV substances.
- **REACH Candidate List (SVHC):** Contains no substance on the REACH candidate list.

15.2 Chemical safety assessment: Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

- **Hazard Statements (CLP)**
H301: Toxic if swallowed.
H302: Harmful if swallowed
H310: Fatal in contact with skin.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.

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H330: Fatal if inhaled.

H332: Harmful if inhaled.

H373: May cause damage to organs through prolonged or repeated exposure exposure cause the hazard.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects

H412: Harmful to aquatic life with long lasting effects.

EUH071: Corrosive to the respiratory tract.

- **Classification and Procedure Used to Derive the Classification for Mixtures According to Regulation (EC) 1272/2008 [CLP]**

Eye irritation, Category 2, H319	calculation method
Aquatic Chronic, Category 3, H412	calculation method

- **Abbreviations**

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

ADNR: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

CAS No: Chemical Abstract Service

CLP: Classification Labelling and Packaging

CL50/LC50: Lethal Concentration 50

DL50/LD50: Lethal Dose 50

GHS: Global Harmonised System

EC No: European INventory of Existing Commercial

IATA /ICAO: International Air Transport Association/ International Civil Aviation Organization

IMDG: International Maritime Code for Dangerous Goods

NIOSH: National Institute for Occupational Safety and Health

OEL: Occupational Exposure Limit

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

TLV-STEL: Threshold Limit Value-Short Term Exposure Limit

TWA: Threshold Limit Value Time Weighted

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PBT: Persistent Bioaccumulating and Toxic

STOT: Target Organ Systemic Toxicity

SDS: Safety Data Sheet

SVCH: Substance of Very High Concern

vPvB: Very Persistent and very Bioaccumulating

- Issued Note:

This SDS is prepared based on the information and documents received from product owner. BESChem Mühendislik&Danışmanlık-Sibel Gümüşdere shall not be responsible for incorrect prepared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.

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- Revision Explanations

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