

# SAFETY DATA SHEET

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



SDS Form No: GM.114

Date of Issue: 19.12.2023

Date of Revision:-  
Version:00-01

## ExperProof BT 41-A Component

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

#### 1.1 Product identifier:

<b>Product Name</b>	ExperProof BT 41- A Component
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#### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: It is used as a modified bitumen-rubber and Cement based, waterborne, two-component, ready to use, liquid waterproofing material.

SU 22-(Professional uses)

SU 3 - (Industrial uses)

#### 1.3 Details of the supplier of the safety data sheet:

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


#### 1.4 Emergency telephone number:

<b>Emergency Phone:</b>	+90 (232) 422 03 93
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### 2. HAZARD IDENTIFICATION

#### 2.1. Classification of the substance or mixture

<b>Classification According to Regulation (EC) No 1272/2008 (CLP/GHS)</b>	
<b>Health hazards</b>	Eye Damage, Category 1, H318

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## 2.2. Label elements

<i>Labelling According to Regulation (EC) No 1272/2008 (CLP/GHS)</i>	
<b>Hazard Pictograms:</b>	
<b>Signal word</b>	Danger
<b>Hazard statements</b>	H318: Causes serious eye damage.
<b>Precautionary statements</b>	
<b>Prevention</b>	P280: Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	P305 + P351 + P338: 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.

### **Supplemental Hazard statement Code(s):**

EUH 208: Reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one[EC no.247-5007] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6). May cause an allergic reaction.

**Hazard content(s):** 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts.

### 2.3 Other hazards:

Based on available data, the mixture is not considered to contain a substance considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

May be corrosive to metals.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.1 Substances

Not application.

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### 3.2 Mixture

Components			
Chemical Name	Product Identifier	Content (%)	Classification
Bitüm/Asphalt (substance with workplace exposure limit)	CAS No: 8052-42-4 EC No: 232-490-9	20-40	-
Limestone (substance with workplace exposure limit)	CAS No:1317-65-3 EC No:215-279-6	<15	-
1-Propanaminium, 3-amino-N- (carboxymethyl)-N,N-dimethyl-, N-(C12- 18(even numbered) acyl) derivs., hydroxides, inner salts	EC No: 931-513-6	0,5-2	Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium hydroxide (substance with workplace exposure limit)	CAS No: 1310-73-2 EC No: 215-185-5	≤0,1	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Ethane-1,2-diol (substance with workplace exposure limit)	CAS No:107-21-1 EC No:203-473-3	<0,1	Acute Tox. 4, H302
Formaldehyde (substance with workplace exposure limit)	CAS No:50-00-0 EC No:200-001-8	<0,0015	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Muta. 2, H341 Carc. 1B, H350 Skin Corr. 1B, H314 Skin Sens. 1, H317
Reaction mass of: 5-chloro-2-methyl-4-iso- thiazolin-3-one[EC no.247-5007] and 2- methyl-2H-isothiazol-3-one [EC no.220- 239-6)	CAS No: 55965-84-9 EC No:- İndeks No: 613-167-00-5	<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

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Chemical Name	Product Identifier	Specific Concentration limits
Sodium hydroxide	CAS No: 1310-73-2 EC No: 215-185-5	Eye Irrit. 2; H319: %0,5 ≤ C < %2 Skin Corr. 1A; H314: C ≥ %5 Skin Corr. 1B; H314: %2 ≤ C < %5 Skin Irrit. 2; H315: %0,5 ≤ C < %2
Formaldehyde	CAS No:50-00-0 EC No:200-001-8	Skin Corr. 1B; H314: C ≥ %25 Skin Irrit. 2; H315: %5 ≤ C < %25 Eye Irrit. 2; H319: %5 ≤ C < %25 Skin Sens. 1; H317: C ≥ %0,2 STOT SE 3; H335: C ≥ %5
Reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3- one[EC no.247-5007] and 2-methyl-2H-isothiazol-3- one [EC no.220-239-6]	CAS No: 55965-84-9 EC No:- İndeks No: 613-167-00-5	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 Information:** If you feel unwell, seek medical attention(if possible, show this GBF or label).

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the symptoms persist, seek medical advice/attention.

**Skin contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If the symptoms persist, seek medical advice/attention.

**Eye contact:** Rinse cautiously with water for several minutes. If the symptoms persist, seek medical advice/attention.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

May cause allergic reactions and skin irritation in sensitive individuals. May cause eye irritation, serious eye damage and keratitis.

### 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 fire-extinguishing media suitable for the surrounding fire.

**Unsuitable Extinguishing Media:** No data available.

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### 5.2 Special hazards arising from the product

**Special hazards:** No data available.

### 5.3 Advice for firefighters

Use a fire extinguishing method suitable to surrounding conditions. Prevent firefighting residues from entering the sewage system and underground waters. If there is a risk of water contamination, notify the relevant authorities.

**Special protective equipment for firefighters:** Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA).

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

**6.1.1 For non-emergency personnel:** Ensure adequate ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with the product on the skin and eyes. Use protective equipment as shown in Section 8 of this Safety Data Sheet. In case of contact with skin and/or eyes, rinse with plenty of water. Remove contaminated clothing and wash it before reuse.

**6.1.2 For emergency responders:** Use protective equipment as shown in Section 8 of this Safety Data Sheet and follow the specified precautions. Restrict the entry of unprotected individuals.

### 6.2 Environmental precautions

Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Use protective equipment as shown in Section 8 of this Safety Data Sheet. Collect the spill by absorbing it with sand, soil, vermiculite, or suitable inert materials. Wash the spilled area with water. Collect the collected material or waste in a suitable container. Dispose of the waste according to local regulations.

### 6.4 Reference to other sections

Comply with local regulations. Wear protective clothing as shown in Section 8 of this Safety Data Sheet. See section 7 for safe handling. Dispose of contaminated material as waste in accordance with section 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Usage precautions:** Do not handle without reading and understanding all safety measures. Ensure adequate ventilation. Follow industrial hygiene standards and general rules to prevent inhalation, ingestion, skin, and eye contact during the use of chemicals. Remove contaminated clothing and wash before reusing. Do not eat, drink, or smoke while using this product. Wash thoroughly after handling. All packaging should be handled carefully and kept tightly closed when not in use. Follow the usage instructions provided by the supplier. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with the product on the skin and eyes. Keep out of the reach of children.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions: Store the containers tightly closed, in a dry environment, protected from frost, between +5°C and +30°C and well-ventilated place. Store the product in its original packaging. Protect containers from physical damage. Follow the storage instructions on the supplier's 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

Ingredients with limit values that require monitoring at the workplace		Reference
(CAS No: 1317-65-3)- Limestone	TWA:10 mg/m <sup>3</sup> total inhalable 4 mg/m <sup>3</sup> respirable	EH40/2005
(CAS No: 8052-42-4)- Asphalt, petroleum fumes	TWA:5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	EH40/2005
(CAS No: 1310-73-2)- Sodium hydroxide	STEL: 2mg/m <sup>3</sup>	EH40/2005
(CAS No:107-21-1)- Ethane-1,2-diol	TWA: 10 mg/m <sup>3</sup> (particulate) 52mg/m <sup>3</sup> -20ppm (vapour)	EH40/2005
(CAS No:50-00-0)- Formaldehyde	TWA: 2 ppm/ 2.5 mg/m <sup>3</sup> STEL: 2 ppm/ 2.5 mg/m <sup>3</sup>	EH40/2005

### DNEL(s)

(CAS No: 55965-84-9)- reaction mass of 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H- isothiazol-3-one (3:1)	Inhalatory, chronic, local effects-workers: 0,02 mg/m <sup>3</sup> Inhalatory, acute, local effects-workers: 0,04 mg/m <sup>3</sup>
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### PNEC(s)

(CAS No: 55965-84-9)- reaction mass of 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H- isothiazol-3-one (3:1)	Fresh water: 3,39 µg/l (aquatic organism) Marine water: 3,39 µg/l (aquatic organism) Sewage treatment plant (STP): 0,23 mg/l (aquatic organism) Fresh water sediment: 0,027 mg/ kg (aquatic organism) Marine sediment: 0,027 mg/ kg (aquatic organism) Soil: 0,01 mg/kg (Terrestrial organisms)
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### 8.2. Exposure controls

**8.2.1 Appropriate engineering controls:** Ensure adequate ventilation in the workplace.

#### 8.2.2 Personal protective equipment

Make sure that the personal protective equipment is used in accordance with the relevant regulations and instructions.

**Eye/face protection:** Safety glasses. Standard NIOSH (ABD)EN 166 - Personal eye-protection.

**Hand protection:** Protective gloves. Standard EN 374 - Protective gloves against chemicals.

**Skin and body protection:** Wear suitable protective clothing.

**General protective and hygiene measures:** When working with chemicals, adhere to standard precautions. Do not inhale vapors. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke while using this product. Remove and wash contaminated clothing and gloves before reusing. Wash your hands before breaks and after work. Ensure that eye wash stations and emergency showers are located nearby in the work area.

**Respiratory protection:** Under normal operating conditions, protective equipment is not required. In cases of inadequate ventilation and when exposure limits are exceeded, suitable respiratory protection, tested and approved according to relevant official standards such as NIOSH (US) or CEN (EU), should be used.

#### 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

<b>Appearance</b> <i>Physical state</i> <i>Colour</i>	Liquid Brown
<b>Odour</b>	Odourless
<b>Solubility (g/l) (@20 °C):</b>	No data available.
<b>Initial boiling point and boiling range</b>	No data available.
<b>Melting point</b>	Not applicable.
<b>Ph value</b>	10,5-13
<b>Flash point (closed cup)( °C)</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Upper/lower flammability or explosive limits</b>	No data available.
<b>Flammability</b>	No data available.



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<b>Self-ignition</b>	No data available.
<b>Bulk density</b>	No data available.
<b>Density</b>	1,02-1,20 gr/cm <sup>3</sup>
<b>Vapour pressure</b>	No data available
<b>Specific gravity</b>	No data available.
<b>Viscosity</b>	No data available.
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Oxidising properties:</b>	No data available.
<b>Explosive Properties:</b>	No data available.
<b>Particle characteristics</b>	Not applicable.

### 9.2 Other informations

No data available.

## 10. STABILITY AND REACTIVITY

### 10.1.Reactivity

No data available.

### 10.2.Chemical stability

Stable under normal conditions.

### 10.3.Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4.Conditions to avoid

No data available.

### 10.5.Incompatible materials

No data available.

### 10.6.Hazardous decomposition products

No data available.

## 11. TOXICOLOGICAL INFORMATION

### 11.1.Information on toxicological effects

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

**ATEMIX<sub>ORAL</sub> LD 50** > 2000 mg/kg (calculation method)

**ATEMIX<sub>DERMAL</sub> LD 50** > 2000 mg/kg (calculation method)

**ATEMIX<sub>INHALATION</sub> LC 50** >20 mg/l (calculation method)



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

LD50 Oral - Rat - 7712 mg/kg

LD50 Dermal- Rat-10600 mg/kg

LC50 Inhalation-Rat- > 2.5 mg/L 6 sa

CAS No: 55965-84-9 Reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one[EC no.247-5007]  
and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6]

LD50 Oral – Rat-male/female - 66 mg/kg (OECD 401)

LD50 Dermal – Rat-male/female - >141 mg/kg (OECD 402)

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

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

**Serious eye damage/irritation:** Eye Damage, Category 1; H318 was classified in- Causes serious eye damage.

**Respiratory/Skin Sensitization:** May cause an allergic reaction.

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

**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:** Not classification as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

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

LC50-fish: 14 - 18 mL/L, 96sa static (Oncorhynchus mykiss)

LC50-fish: 27540 mg/L, 96sa static (Lepomis macrochirus)

LC50-fish: 40761 mg/L, 96sa static (Oncorhynchus mykiss)

LC50-fish: 40000 - 60000 mg/L, 96sa static (Pimephales promelas)

LC50-fish: 16000 mg/L, 96sa static (Poecilia reticulata)

EC 50 -algae: 6500 - 13000 mg/L, 96sa (Pseudokirchneriella subcapitata)

EC50-Daphnia: 46300 mg/L, 48sa (Daphnia magna)

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(Cas No:55965-84-9) -Reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one[EC no.247-5007]  
and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6]

### Aquatic Toxicity (Acute)

LC50-fish-96 h; 0,19 mg/l

EC50-aquatic invertebrates- 48 h; 0,16 mg/l

ErC50-algae-72 h;19,9 µg/l

### Aquatic Toxicity (Chronic)

LC50-fish-14 d; 0,07 mg/l

EC50- aquatic invertebrates -21 d; > 0,18 mg/l

ErC50-algae120 h;45,6 µg/l

### 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

Based on available data, the mixture is not considered to contain a substance considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6.Endocrine disrupting properties

None of the ingredients declared by the supplier are listed on ECHA's endocrine disrupter (ED) assessment list.

### 12.7.Other adverse effects

No data available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**General Information:** Dispose of in accordance with local waste regulations.

**Disposal of Substance/Mixture:** The product or waste must be disposed of safely and in accordance with local waste regulations. Spilled product must be disposed of in compliance with current national and local environmental laws and regulations. Do not allow the mixture and/or waste to enter the environment, vegetation, soil, clean water sources, and sewage.

**Disposal of Contaminated Packaging:** Containers containing uncaptured material must be disposed of in the same manner as the product is disposed of in accordance with applicable regulations.

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### 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.

**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:** Article 77; Formaldehyde and formaldehyde-releasing substances.
- **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.

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### 16. OTHER INFORMATION

#### - **Hazard Statements (CLP)**

H290: May be corrosive to metals.

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.

H330: Fatal if inhaled.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H341: Suspected of causing genetic defects.

H350: May cause cancer.

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.

#### - **Abbreviations**

**ACGIH:** American Conference of Governmental Industrial Hygienists

**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.

**ATE:** Acute Toxicity Estimate

**BCF:** Bioconcentration Factor

**CAS No:** Chemical Abstract Service

**CLP:** Classification Labelling and Packaging

**CL50/LC50:** Lethal Concentration 50

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**DL50/LD50:** Lethal Dose 50

**DMEL:** Derived Minimal Effect Level

**DNEL:** Derived No-Effect Level

**GHS:** Global Harmonised System

**EC No:** European Inventory of Existing Commercial

**ECHA:** European Chemicals Agency

**EH40/2005:** United Kingdom - Occupational Exposure Limits

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

**IMDG:** International Maritime Code for Dangerous Goods

**OEL:** Occupational Exposure Limit

**OSHA:** Occupational Safety and Health Administration

**PBT:** Persistent Bioaccumulating and Toxic

**PNEC:** Predicted No-Effect Concentration

**REACH:** Registration, Evaluation, Authorisation and Restriction Of Chemicals

**RID:** Regulation concerning the International Carriage of Dangerous Goods by Rail

**STOT:** Target Organ Systemic Toxicity

**SDS:** Safety Data Sheet

**SVCH:** Substance of Very High Concern

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

**TWA:** Threshold Limit Value Time Weighted

**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.

**Disclaimer-** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

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### - Revision Explanations

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