



Part I SAFETY DATA SHEET

SUMMER GLASS WATER

Dated December 13, 2014 and numbered 29204, "Ministry of Environment and Urbanization Regarding Hazardous Substances and Mixtures
It has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets".

PART 1: Identity of the substance / mixture and company / distributor

1.1. Substance / Mixture identity

Name of the product SUMMER GLASS WATER
Item number 13450

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

Glass cleaner.

Uses not recommended Use only for the intended purpose.

1.3. Information of the safety data sheet supplier

Supplier PETROL OFİSİ A.Ş.
Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar / İstanbul Tel: +90 850 339 1919
Fax: +90 216 275 3854
miningiyag@petrolofisi.com.tr
Contact person Customer Service: mineiyag@petrolofisi.com.tr

1.4. Emergency phone number

Emergency phone number Mineral Oil Customer Service: 0850 339 1919 (office hours)
National emergency phone Emergency Health Services: 112 National Poison Information Center (UZEM): 114

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification TC 28848

Physical damages Not classified as harmful
Health hazards Not classified as harmful
Environmental damages Not classified as harmful

2.2. Label elements

Hazard Statements NC Not classified as Harmful
Precautionary statements P401 Store in accordance with local regulations. P410 Protect from sunlight.
P501 Dispose of contents / container in accordance with regional regulations.
P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves / protective clothing / eye protection / face protection.

2.3. Other damages

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SECTION 3: Composition / information on ingredients

3.2. Mixtures

ethanol 1-5% CAS number: 64-17-5 EC number: 200-578-6
Classification Flame. Liquid 2- H225
Alcohols, C12-14, ethoxylated, sulfates, sodium salts <1% CAS number: 68891-38-3
Classification Skin Irrit. 2- H315 Eye Dam. 1- H318 Aquatic Chronic 3- H412
Paraffin oils, sulfochlorinated, saponified <1% CAS number: 68188-18-1
Classification Acute Tox. 4- H302 Skin Irrit. 2- H315 Eye Irrit. 2- H319 Aquatic Chronic 3- H412
d-Limonene <1% CAS number: 5989-27-5 EC number: 227-813-5 M factor (acute) = 1 M factor (chronic) = 1
Classification Flame. Liquid 3- H226 Skin Irrit. 2- H315 Skin Sensitive. 1B-H317 Asp. Full. 1- H304 Aquatic Acute 1- H400 Aquatic Chronic 1- H410

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N- (3-Aminopropyl) -N-dodecylpropane-1,3-diamine <1%
CAS number: 2372-82-9
M factor (acute) = 10 M factor (chronic) = 1
Classification Acute Tox. 3- H301 Skin Corr. 1B- H314 Eye Dam. 1- H318 BHOT Again. Mrz. 2- H373 Aquatic Acute 1- H400 Aquatic Chronic 1- H410
2-Methyl-2H-isothiazol-3-one <1%
CAS number: 2682-20-4
M factor (acute) = 1
Classification Acute Tox. 3- H301 Acute Tox. 3- H311 Acute Tox. 2- H330 Skin Corr. 1B- H314 Eye Dam. 1- H318 Skin Sensitive. 1A- H317 BHOT Single Mrz. 3- H335 Aquatic Acute 1- H400 Aquatic Chronic 2- H411
1,2-Benzisothiazol-3 (2H) -one <1%
CAS number: 2634-33-5
M factor (acute) = 1
Classification Acute Tox. 4- H302 Skin Irrit. 2- H315 Eye Dam. 1- H318 Skin Sens. 1- H317 Aquatic Acute 1- H400 Aquatic Chronic 2- H411

The full text of the hazard statements is given in Section 16.

Reviews on the composition

All percentages are expressed on a weight / weight basis.

Content notes

See Section 8 for occupational exposure limits.

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SECTION 4: First aid measures

4.1. Description of first aid measures General

information	If discomfort continues, seek medical attention.
Breathing	Take the injured person into the open air and make sure they are in a position where they can breathe.
Swallowing	It should only be rinsed with water if the mouth is dirty. In case of swallowing, it should be taken to a doctor without vomiting.
Skin contact	In case of contact with skin, remove contaminated clothing and rinse immediately with plenty of water.
Eye contact	If there are contact lenses, they should be removed before washing the eyes. Rinse eyes immediately with plenty of water, opening the eyelids
First aid workers preservation	First aid personnel should wear appropriate protective equipment during rescue.

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

information	See Section 11 for additional information on health hazards.
Breathing	Vapors may cause headache, weakness, dizziness and nausea.
Swallowing	May cause stomach pain or vomiting.
Skin contact	Repeated or prolonged contact may cause skin diseases.
Eye contact	Prolonged contact may cause redness and / or tears in the eyes.

4.3. Indication of any medical attention and special treatment needed Information to be

given to the doctor	Treat symptomatically.
Special treatments	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Fire extinguishers

Suitable extinguishing agents	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use
Unsuitable extinguisher substances	water jet to extinguish the fire, in case the fire spreads.

5.2. Special hazards arising from the substance or mixture Special hazards

	Not applicable.
Harmful combustion products	No hazardous decomposition products are known.

5.3. Advice for firefighters

During fire fighting preservative to be taken measures	In case of insufficient ventilation, wear necessary respiratory equipment.
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For firefighters Use suitable protective equipment for surrounding materials.

special protective equipment

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with the substance that has been spilled or released. Comply with all relevant local and national regulations. Remove unemployed personnel from the area. Thoroughly ventilate the area affected by the substance.

Emergency personnel for those who are not Necessary precautions should be taken so that personnel who do not have proper training do not interfere.

For emergency responders Wear protective clothing as shown in section 8 of this safety data sheet. NOTICE: Report spillage to local authorities, as appropriate or necessary. Stop the source of the leak if it can be done without risk. Limit the spill to prevent further contamination of the soil, surface or underground water. Clean up the spilled material as soon as possible, following the precautions in the Exposure Controls / Personal Protection section. Use non-flammable absorbent materials or appropriate techniques such as pumping. Whenever possible or see fit, dig out the contaminated soil from the area. Place contaminated materials in disposable containers and dispose of them in accordance with regulations. If a heated substance is spilled,

6.2. Environmental measures

Environmental measures Avoid spilling into drains, watercourses or soil.

6.3. Methods and materials for containment and cleaning

Spill removal methods Do not touch or walk on spilled material. Debris with sand, earth, or Contain with other suitable non-flammable material.

6.4. Reference to other sections

Reference to other sections For personal protection see section 8. See Section 1 for emergency contact information. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see section 13. See Section 7 for more information on safe handling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Good ventilation should be provided in the working environment and inhalation of the vapor generated during use should be avoided. Contact with the skin should be avoided and hygienic rules should be applied. Contact with eyes should be avoided. Glasses or face masks should be used to prevent eye contact.

When using, avoid eating, drinking and smoking. Use disposable clothing.

Advice on general occupational hygiene Store freeze-free (<35 ° C) in a cool, dry and well-ventilated place. Protect from sunlight.

7.2. Conditions for safe storage, including any incompatibilities

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Storage measures Keep only in the original container in a cool, well-ventilated place. Not applicable.

Storage class

7.3. Specific end use (s)

Specific end use (s) The identified uses for this product are detailed in Section 1.2. It should be used as specified in the
Directions for use product data sheet.

SECTION 8: Exposure Controls / personal protection

8.1. Control parameters

Occupational exposure limits

No other information is available.

Content notes WEL = Workplace Exposure Limits No information

Biological limit values available.

DNEL There is no suitable information.

DMEL There is no suitable information.

PNEC There is no suitable information.

8.2. Exposure controls Protective

equipment



Proper engineering controls Provide adequate general and local exhaust ventilation.

Personal protection The effectiveness of personal protective equipment depends, among other things, on the temperature and degree of ventilation. Be sure to seek professional support depending on the specific situation in question.

Eye / Face protection Use eye protection.

Hand protection Use protective gloves.

Other skin and body protection Health measures Wear appropriate clothing to prevent any skin contact. Provide eyewash place.

Respiratory system preservation In case of insufficient ventilation, suitable respiratory protection should be used.

Thermal damages If there is danger of contact with hot product, all protective equipment suitable for use with high temperatures should be used.

Environmental exposure controls There is no suitable information.

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SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties Appearance

	Color liquid.
Color	Pink.
Smell	Fragrance fragrance.
Odor threshold	There is no suitable information.
pH	There is no suitable information.
Melting point / freezing point	There is no suitable information.
Initial boiling point and 99 ° C @ 760 mm Hg boiling range	
Flash point	> 100 ° C Closed cup.
Evaporation rate	There is no suitable information.
Evaporation factor	There is no suitable information.
Flammability (solid, gas)	There is no suitable information.
Upper / Lower flammability or explosive limits	There is no suitable information.
Other flammability	There is no suitable information.
Vapor pressure	There is no suitable information.
Vapor density	There is no suitable information.
Relative density	Lack of data.
Volumetric density	There is no suitable information.
Resolution (s)	There is no suitable information.
Partition coefficient	There is no suitable information.
Self ignition temperature	There is no suitable information.
Decomposition temperature	There is no suitable information.
Viscosity	There is no suitable information.
Explosive properties	Not available.
Explosive under the influence of flame	It is not considered explosive.
Oxidizing properties	No data available.
Descriptions	There is no specific test data available.

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9.2. Other informations

Other informations	Required information is not available.
Refractive index	There is no specific test data available. There is
Particle size	no specific test data available. There is no
Molecular weight	specific test data available. There is no specific
Volatility	test data available. There is no specific test data
Saturation concentration	available. There is no specific test data available.
Critical temperature	There is no specific test data available.
Volatile organic compound	

SECTION 10: Stability and reactivity

10.1. Reaction

Reaction There are no known reactive hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Unknown.

10.4. Conditions to avoid **Conditions to avoid** Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials **Materials to avoid** There is

no suitable information.

10.6. Hazardous decomposition products

Hazardous decomposition products There is no suitable information.

SECTION 11: Toxicological information

11.1. Information on toxicological effects **Toxic**

effects No toxicological research has been conducted on this product.

Other health effects No other information is available.

Acute toxicity - oral Summary

Based on available data, the classification criteria are not met. No other information is available.

Notes (oral LD₅₀)

Acute toxicity - dermal Summary

Based on available data, the classification criteria are not met. No other information is available.

Notes (dermal LD₅₀)

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Acute toxicity - inhalation

Summary Based on available data, the classification criteria are not met. No other
Notes (inhalation LC₅₀) information is available.

Skin corrosion / irritation

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

Animal data

Human skin model test Extreme the classification criteria are not met. Based on available data, the
pH classification criteria are not met.

Serious eye damage / irritation

Summary Based on available data, the classification criteria are not met. Based on
Serious eye damage / irritation available data, the classification criteria are not met.

Respiratory sensitization

Summary Based on available data, the classification criteria are not met. Based on
Respiratory tract sensitization available data, the classification criteria are not met.

Skin sensitization

Summary Based on available data, the classification criteria are not met. Based on
Skin sensitization available data, the classification criteria are not met.

Germ cell mutagenicity

Summary Based on available data, the classification criteria are not met. Based on
Genotoxicity - in vitro available data, the classification criteria are not met. Based on available data,
Genotoxicity - in vivo the classification criteria are not met.

Carcinogenicity

Summary Based on available data, the classification criteria are not met. Based on
Carcinogenicity available data, the classification criteria are not met. There are no known
Target for carcinogenicity organs specific target organs.

IARC carcinogenicity No other information is available.

NTP carcinogenicity No other information is available.

Reproductive toxicity

Summary No other information is available.

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**Reproductive system toxicity
fertility** No other information is available.

**Reproductive system toxicity
developmental** No other information is available.

Specific target organ toxicity - single exposure Summary

No other information is available.

BHOT- single exposure Based on available data, the classification criteria are not met.

Target organs No other information is available.

Specific target organ toxicity - repeated exposure Summary

No other information is available.

BHOT- repeated exposure Based on available data, the classification criteria are not met.

Target organs No other information is available.

Aspiration hazard

Summary No other information is available.

Aspiration hazard No other information is available.

Toxicokinetics No other information is available.

General information No other information is available.

Breathing No other information is available.

Swallowing Harmful if swallowed.

Contact with skin Skin irritation does not occur when used as recommended. There is no known

Eye contact specific health hazard.

Acute and chronic health hazards No other information is available.

Contact ways No other information is available.

Target organs No other information is available.

Medical symptoms No other information is available.

Medical opinions No other information is available.

Toxicological information on ingredients

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 4100 mg / kg, bw., Oral, Rat NOAEL> 225 mg / kg, bw / day, Oral, Rat

Acute toxicity - dermal

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Notes (dermal LD₅₀)	LD ₅₀ > 2000 mg / kg, bw., Dermal, Rat
<u>Skin corrosion / irritation</u>	
Skin corrosion / irritation	Severe skin irritation.
<u>Serious eye damage / irritation</u>	
Serious eye damage / irritation	Causes eye irritation.
<u>Skin sensitization</u>	
Skin sensitization	Not sensitizing.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	NOEL> 75 mg / kg, day., Rat, Cross reading.
<u>Reproductive toxicity</u>	
Reproductive system toxicity fertility	Fertility - NOAEL> 300 mg / kg, bw / day, Oral, Rat
Reproductive system toxicity developmental	Developmental toxicity: - NOAEL:> 1000 mg / kg, bw / day, Oral, Rat
<u>Paraffin oils, sulfochlorinated, saponified</u>	
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ 1271 mg / kg, bw., Oral, Rat NOAEL 200 mg / kg, bw / day, Oral, Rat
ATE oral (mg / kg)	500,0
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ > 2000 mg / kg, bw., Dermal, Rat
<u>Skin corrosion / irritation</u>	
Skin corrosion / irritation	Corrosive to the skin.
<u>Serious eye damage / irritation</u>	
Serious eye damage / irritation	It is considered to be corrosive to the eyes.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	NOEL 1000 mg / kg, bw / day, Oral, Rat

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Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 4400 mg / kg, bw., Oral, Rat NOEL 5 mg / kg, bw / day, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀> 2000 mg / kg, bw., Dermal, Rabbit

Acute toxicity - inhalation

Remarks (inhalation LC₅₀) LC50> 5000 mg / m³, Inhalation, Estimated value.

Skin corrosion / irritation

Skin corrosion / irritation Corrosive to the skin.

Skin sensitization

Skin sensitization OECD 429 - Mouse: 10075 ug / cm²

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo > 2000 mg / kg, bw / day Rat

Carcinogenicity

Carcinogenicity NOEL 75 mg / kg, bw / day, Oral, Rat Negative. Estimated value.

Reproductive toxicity

Reproductive system toxicity Developmental toxicity: - NOAEL: 600 mg / kg, bw / day, Oral, Rat
developmental

N- (3-Aminopropyl) -N-dodecylpropane-1,3-diamine

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 261 mg / kg, Oral, Rat

ATE oral (mg / kg) 100,0

Skin corrosion / irritation

Skin corrosion / irritation Prolonged contact may cause burns.

Serious eye damage / irritation

Serious eye damage / irritation Causes serious eye damage.

Skin sensitization

Skin sensitization Not sensitizing.

Carcinogenicity

Carcinogenicity Carcinogenicity is not expected in humans.

Reproductive toxicity

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Reproductive system toxicity Negative.

fertility

Specific target organ toxicity - repeated exposure

BHOT- repeated exposure stay NOAEL 9 mg / kg, Oral, Rat 90 days,

Target organs Kidneys

2-Methyl-2H-isothiazol-3-one

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 120 mg / kg, Oral, Rat

ATE oral (mg / kg) 100,0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 242 mg / kg, Dermal, Rat, Female

ATE dermal (mg / kg) 300,0

Acute toxicity - inhalation

Remarks (inhalation LC₅₀) LC50 0.11 mg / l, 4h, Dust / Fog Rat

ATE inhalation (dust / mist mg / l) Skin 0.05

corrosion / irritation

Skin corrosion / irritation Corrosive to the skin.

Serious eye damage / irritation

Serious eye damage / irritation Causes eye irritation.

Skin sensitization

Skin sensitization Sensitizer.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Carcinogenicity

Carcinogenicity Negative.

Reproductive toxicity

Reproductive system toxicity developmental Negative.

1,2-Benzisothiazol-3 (2H) -one

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 1193 mg / kg, Oral, Rat

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ATE oral (mg / kg)	500,0
Acute toxicity - dermal	
Notes (dermal LD₅₀)	LD ₅₀ 4115 mg / kg, Dermal, Rat
Skin corrosion / irritation	
Skin corrosion / irritation	It irritates the skin.
Serious eye damage / irritation	
Serious eye damage / irritation	Causes serious eye damage.
Skin sensitization	
Skin sensitization	Sensitizer.

SECTION 12: Ecological information

Ecotoxicity Ecotoxicological data have not been determined specifically for this product.

12.1. Toxicity

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

Acute aquatic toxicity

Summary Based on available data, the classification criteria are not met. There is no specific

Acute toxicity - fish test data available.

Acute toxicity - aquatic invertebrates There is no specific test data available.

Acute toxicity - aquatic plants There is no specific test data available. There is

Acute toxicity microorganisms no specific test data available.

Acute toxicity - terrestrial organisms There is no specific test data available.

Chronic aquatic toxicity

Summary Based on available data, the classification criteria are not met. There is no specific

Chronic toxicity- in fish early life stage test data available.

Short term toxicity - embryo and early larval stages There is no specific test data available.

Chronic toxicity- aquatic invertebrates There is no specific test data available.

Toxicity to soil There is no specific test data available. There is

Toxicity to terrestrial plants no specific test data available.

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Ecological information on ingredients

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀: 7.1 mg / l, Brachydanio rerio (Zebrafish)
NOEC, Estimated value: 1 mg / l, day, Pimephales promelas (Golyan Fish)

**Acute toxicity - aquatic
invertebrates**

EC₅₀: 7.2 mg / l, Water flea

Acute toxicity - aquatic plants IC₅₀: 27 mg / l, Scenedesmus subspicatus

**Acute toxicity
microorganisms**

LC₅₀: > 1000 mg / l, pseudomonas putida

Chronic aquatic toxicity

**Chronic toxicity- aquatic
invertebrates**

NOEC: 0.27 mg / l, day, Water flea, Estimated value.

Paraffin oils, sulfochlorinated, saponified

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀: 4.16 mg / l, Brachydanio rerio (Zebrafish) EC₅₀: 9.48 mg /

**Acute toxicity - aquatic
invertebrates**

/ l, Water flea

Acute toxicity - aquatic plants IC₅₀: 365 mg / l, Scenedesmus subspicatus

Chronic aquatic toxicity

**Chronic toxicity- aquatic
invertebrates**

NOEC: 1 mg / l, day, daphnia

d-Limonene

Acute aquatic toxicity

L (E) C₅₀

0.1 <L (E) C₅₀ ≤ 1 l

M factor (acute)

Acute toxicity - fish

LC₅₀: 0,720 mg / l, Pimephales promelas (Golyan Fish) EC₅₀: 0,36 mg /

**Acute toxicity - aquatic
invertebrates**

l, Water flea

Chronic aquatic toxicity

M factor (chronic)

one

**Chronic toxicity- aquatic
invertebrates**

NOEC: 0.15 mg / l, day, daphnia

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N- (3-Aminopropyl) -N-dodecylpropane-1,3-diamine

Acute aquatic toxicity

L (E) C₅₀ 0.01 <L (E) C₅₀ ≤ 0.1 10

M factor (acute)

Acute toxicity - fish LC₅₀, 96 hours: 0.45 mg / l, *Lepomis macrochirus* (Moon fish) EC₅₀, 48 hours:

Acute toxicity - aquatic invertebrates 0.073 mg / l, Water flea

Acute toxicity - aquatic plants ErC₁₀, 72h: 0.012 mg / l, *Desmodesmus subspicatus*
NOEC, 72h:> 0.001-0.01 mg / l, *Selenastrum capricornutum*

Chronic aquatic toxicity

M factor (chronic) one

Chronic toxicity- aquatic invertebrates NOEC, 21 days: 0.024 mg / l, daphnia

2-Methyl-2H-isothiazol-3-one

Acute aquatic toxicity

L (E) C₅₀ 0.1 <L (E) C₅₀ ≤ 1 1

M factor (acute)

Acute toxicity - fish LC₅₀, 96h: 4.77 mg / l, *Oncorhynchus mykiss* (rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.93-1.9 mg / l, daphnia NOEC,
21 days: 0.04 mg / l, daphnia

Acute toxicity - aquatic plants EC₅₀, 72h: 0.158 mg / l, *Selenastrum capricornutum*

1,2-Benzisothiazol-3 (2H) -one

Acute aquatic toxicity

L (E) C₅₀ 0.1 <L (E) C₅₀ ≤ 1 1

M factor (acute)

Acute toxicity - fish LC₅₀, 96 hours: 2.18 mg / l, *Oncorhynchus mykiss* (rainbow trout) EC₅₀, 48 hours: 2.94

Acute toxicity - aquatic invertebrates mg / l, daphnia

Acute toxicity - aquatic plants ErC₅₀, 72h: 0.11 mg / l, *Pseudokirchneriella subcapitata*
NOEC, 72h: 0.027 mg / l, *Skeletonema costatum* (marine diatom)

12.2. Persistence and degradability

Persistence and degradability There is no suitable information.

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Phototransformation	There is no specific test data available. There is
Stability (hydrolysis)	no specific test data available. There is no
Biodegradation	specific test data available. There is no specific
Biological oxygen demand	test data available. There is no specific test data
Chemical oxygen demand	available.

Ecological information on ingredients

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Biodegradation The substance is easily biodegradable.

Paraffin oils, sulfochlorinated, saponified

Biodegradation It is expected to be readily biodegradable.

d-Limonene

Biodegradation It is expected to be readily biodegradable.
-> 92%:

N- (3-Aminopropyl) -N-dodecylpropane-1,3-diamine

Biodegradation It is expected to be readily biodegradable.

2-Methyl-2H-isothiazol-3-one

Biodegradation It is biodegradable in itself.

1,2-Benzisothiazol-3 (2H) -one

Biodegradation It is expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential There is no suitable information.

Partition coefficient There is no suitable information.

Ecological information on ingredients

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Bioaccumulative potential log Pow: 0.3,

d-Limonene

Bioaccumulative potential log Pow: 4.38, BCF: 683,

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N- (3-Aminopropyl) -N-dodecylpropane-1,3-diamine

Bioaccumulative potential log Pow: -0.7,

2-Methyl-2H-isothiazol-3-one

Bioaccumulative potential log Pow: -0,486,

1,2-Benzisothiazol-3 (2H) -one

Bioaccumulative potential log Pow: 1,3,

12.4. Mobility in soil

Mobility If the product enters soil, it will be highly mobile and may contaminate groundwater.

Adsorption / desorption coefficient There is no specific test data available.

Henry's law constant There is no specific test data available. There is

Surface tension no specific test data available.

Ecological information on ingredients

N- (3-Aminopropyl) -N-dodecylpropane-1,3-diamine

Mobility Active.

12.5. Results of PBT and vPvB assessment

PBT and vPvB results of the assessment There is no specific test data available.

12.6. Other adverse effects Other

adverse effects There is no specific test data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods General

information Waste generation should be minimized or avoided wherever possible. Wastes, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated appropriate containers and labeled according to their contents.

Waste treatment methods Do not dispose of the empty packaging with normal household waste. Product residues, non-empty packages as chemical waste should be evaluated. Dispose of waste in an official chemical waste depot.

Waste class Waste code classification should be carried out according to the European Waste Catalog (EWC).

SECTION 14: Transport information

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

Road shipment notes Not classified.

Railway shipment notes Not classified.

Sea shipment notes Air Not classified.

shipment notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class (es)

There is no required transport warning sign.

Shipping labels

There is no required transport warning sign.

14.4. Packing group

Not applicable.

14.5. Environmental damages

Environmentally harmful / marine pollutant

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

MARPOL 73/78 Annex II and IBC Not applicable.

pouring by code

transportation

SECTION 15: Regulatory information

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

National regulations Republic of Turkey Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated 11 December 2013 and numbered 28848.
It has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures of the Ministry of Environment and Urbanization of the Republic of Turkey" dated 13 December 2014 and numbered 29204.

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EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010. EU Dangerous Preparations Directive 1999/45 / EC. EU Dangerous Substances Directive 67/548 / EEC. Source: European Chemicals Agency, http://echa.europa.eu/
Guide	Safety Data Sheet for substances and preparations.

SECTION 16: Other information

**In the safety data sheet
used abbreviations and
acronyms**

TWA: Workplace exposure limits PPE:
Personal protective equipment
EU: European Union
UZEM: National Poison Information Center ATE:
Acute Toxicity Estimate.
ADR: European Agreement on the International Carriage of Dangerous Goods by Road. CAS: Chemical
Abstracts Service.
DNEL: Derived no-effect level. IATA: International Air
Transport Association. GHS: Global Harmonized System.

ICAO: Technical Specifications for the Safe Transport of Dangerous Goods by Air. IMDG: International
Maritime Dangerous Goods.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Observed Effect Concentration.
REACH: EU Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorization and Restriction of
Chemicals.
vPvB: Very Persistent, Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973, as amended by the 1978
Protocol.

Abbreviations and acronyms

Acute Tox. = Acute toxicity Skin
Corr. = Skin corrosion Eye Dam. =
Eye damage
BHOT Single Mrz. = Specific Target Organ Toxicity - Single exposure
BHOT Again. Mrz. = Specific Target Organ Toxicity - Repeated exposure Skin Sens. = Skin
sensitization
Kans. = Carcinogenicity
Aquatic Acute = Harmful to the aquatic environment (acute) Aquatic
Chronic = Harmful to the aquatic environment (chronic) Flame. Liquid =
Flammable liquids
Asp. Full. = Aspiration hazard

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General information	Disclaimer: This information is based on our current knowledge and the product is described for the purpose of health, safety and environmental requirements only. For this reason, it should not be interpreted as guaranteeing any specific feature of the product. Uses and Restrictions: This product should not be used outside of the applications recommended in Section 1 without the prior recommendation of the supplier. This product is not used as a solvent or cleaning agent to set fire or to make it brighter and to clean the skin. Material Safety Data Sheet Distribution: The information in this document should be made available to all persons who can handle this product. Only trained personnel should use this material. This document contains important information for the safe storage, transport and use of this product. Information in this document
Main literature references and sources of information	This SDS is arranged within the information received from our raw material suppliers. Source: European Chemicals Agency, http://echa.europa.eu/
Dated December 11, 2013 and 28848 according to regulation classification conditions	Not classified as environmentally hazardous. Not classified as physically hazardous. Not classified as hazardous to health: Calculation method., Supplier information
Education advice	Untrained personnel should not be used.
Revision comments by	Revised formulation. Sevda ŞAHAN Certified Safety Data Sheet Maker (Certificate No: GBF01.23.08; Date: 03.11.2018-03.11.2021)
New date of issue	10.04.2020
How many regulations	one
Preparation date	01.08.2019
SDS No	20389

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All of the hazard statements

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor. H301
Toxic if swallowed. H302 Harmful if
swallowed.
H304 Fatal if swallowed and enters respiratory tract. 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. H335 May
cause respiratory irritation. H400 Very toxic to
aquatic environment.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to
aquatic life with long lasting effects. H412 Harmful to aquatic life with
long lasting effects.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed or inhaled.

This information relates only to a specific specific substance and should not be used in a composition or any process where the same substance is used in combination with other substances. This information is accurate and reliable as of the date specified, within the firm's high level of knowledge and opinion. However, no warranty or representation of any kind is made for its accuracy, reliability and completeness. It is the user's own responsibility to be satisfied that this information is suitable for his own use.