

SAFETY DATA SHEET

ACTIVE FOAM EFFECT

Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name ACTIVE FOAM EFFECT
UFI UFI: Y300-A06R-400Y-GKEW
Product number 113110

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

Identified uses Concentrated alkaline detergent for contactless washing of cars and trucks.

1.3. Details of the supplier of the safety data sheet

Supplier BCG Turkey Kimya A.Ş.
Karamahmet Mahallesi, Avrupa Serbest Bölgesi 11. Sokak No:5, Ergene, 59930 Tekirdağ
Tel: 90 (282) 691 10 05
www.bcg-turkiye.com

Contact person info@bcg-turkiye.com

1.4. Emergency telephone number

Emergency telephone BCG Türkiye: 90 (282) 691 10 05

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)
Physical hazards Not Classified
Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards Not Classified
Additional information Classification (Regulation (EC) No. 1272/2008).

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

Precautionary statements
P102 Keep out of reach of children.
P260 Do not breathe vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/ container in accordance with national regulations.

Contains tetrasodium ethylene diamine tetraacetate, Alkyl polyglucoside, Sodium hydroxide, Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts, Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Detergent labelling
5 - < 15% non-ionic surfactants
< 5% anionic surfactants
< 5% EDTA and salts thereof

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Coconut alkyl dimethyl amine oxide	<1%
CAS number: 61788-90-7	EC number: 263-016-9
M factor (Acute) = 1	
Classification	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
propan-2-ol	<1%
CAS number: 67-63-0	EC number: 200-661-7
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel. Chemical burns must be treated by a physician.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Stop if the affected person feels sick as vomiting may be dangerous. Get medical attention.
Skin contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention. Chemical burns must be treated by a physician.
Eye contact	Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
Protection of first aiders	It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	A single exposure may cause the following adverse effects: Severe irritation of nose and throat. Symptoms following overexposure may include the following: Corrosive to the respiratory tract.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.
Skin contact	Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.
Eye contact	Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Regular protection may not be safe. Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Avoid discharge to the aquatic environment. Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. This product is corrosive. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. This product is corrosive. Immediate first aid is imperative. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store away from incompatible materials (see Section 10). Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Store away from the following materials: Acids.

Storage class

Non-combustible corrosive hazardous substances

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Sodium hydroxide

Short-term exposure limit (15-minute): WEL 2 mg/m³

propan-2-ol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit.

tetrasodium ethylene diamine tetraacetate (CAS: 64-02-8)

DNEL

Workers - Inhalation; Long term systemic effects: 1,5 mg/m³
Workers - Inhalation; Short term systemic effects: 3 mg/m³
Workers - Inhalation; Long term local effects: 1,5 mg/m³
Workers - Inhalation; Short term local effects: 3 mg/m³
General population - Inhalation; Long term local effects: 0,6 mg/m³
General population - Inhalation; Short term local effects: 1,2 mg/m³
General population - Oral; Long term systemic effects: 25 mg/kg bw/d

PNEC

Fresh water; 2.83 mg/l
Fresh water, Intermittent release; 1 mg/l
marine water; 0.283 mg/l
marine water, Intermittent release; 1 mg/l
STP; 50 mg/l
Soil; 1.1 mg/kg, dry weight

Alkyl polyglucoside (CAS: 68515-73-1)

DNEL

Workers - Inhalation; Long term systemic effects: 420 mg/m³
Workers - Dermal; Long term systemic effects: 595 000 mg/kg
General population - Inhalation; Long term systemic effects: 124 mg/m³
General population - Dermal; Long term systemic effects: 357 000 mg/kg
General population - Oral; Long term systemic effects: 35.7 mg/kg

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PNEC	Fresh water; 0.176 mg/l
	Fresh water, Intermittent release; 0.27 mg/l
	marine water; 0.018 mg/l
	STP; 560 mg/l
	Sediment (Freshwater); 1.516 mg/kg
	Sediment (Marinewater); 0.152 mg/kg
	Soil; 0.654 mg/kg
Oral (secondary poisoning); 111.11 mg/kg	

Sodium hydroxide (CAS: 1310-73-2)

DNEL	Workers - Inhalation; Long term local effects: 1 mg/m ³
	General population - Inhalation; Long term local effects: 1 mg/m ³

Alcohols, C12-14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

DNEL	Workers - Dermal; Long term systemic effects: 2750 mg/kg
	Workers - Inhalation; Long term systemic effects: 175 mg/m ³
	Workers - Dermal; Long term local effects: 132 µg/cm ²
	Consumer - Dermal; Long term systemic effects: 1650 mg/kg
	Consumer - Inhalation; Long term systemic effects: 52 mg/m ³
	General population - Dermal; Long term systemic effects: 79 µg/cm ²
	Consumer - Oral; Long term systemic effects: 15 mg/kg

PNEC	Fresh water; 0.24 mg/l
	marine water; 0.024 mg/l
	Intermittent release; 0.071 mg/l
	STP; 10000 mg/l
	Sediment (Freshwater); 0.917 mg/kg
	Sediment (Marinewater); 0.092 mg/kg
Soil; 7.5 mg/kg	

propan-2-ol (CAS: 67-63-0)

DNEL	Workers - Inhalation; Long term systemic effects: 500 mg/m ³
	Workers - Inhalation; Short term systemic effects: 1000 mg/m ³
	Workers - Dermal; Long term systemic effects: 888 mg/kg/day
	General population - Inhalation; Long term systemic effects: 89 mg/m ³
	General population - Inhalation; Short term systemic effects: 178 mg/m ³
	General population - Dermal; Long term systemic effects: 319 mg/kg/day
	General population - Oral; Long term systemic effects: 26 mg/kg/day
General population - Oral; Short term systemic effects: 51 mg/kg/day	

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

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Hand protection	Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.
Environmental exposure controls	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pink.
Odour	No information available.
Odour threshold	No information available.
pH	pH (concentrated solution): 11.8
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	5-3000 cp

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Explosive properties No information available.

Oxidising properties No information available.

Particle characteristics Not applicable.

9.2. Other information

Other information No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Corrosive gases or vapours.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 37,083.33

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

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Germ cell mutagenicity

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

Carcinogenicity

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

IARC carcinogenicity

Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

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

11.2. Information on other hazards

Information on other hazards This product does not contain any known or suspected endocrine disruptors.

Toxicological information on ingredients.

tetrasodium ethylene diamine tetraacetate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,780.0

Species Rat

ATE oral (mg/kg) 1,780.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 0.03

Species Rat

Alkyl polyglucoside

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 2000 mg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rabbit (OECD 402)

Sodium hydroxide

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 325 mg/kg, Oral, Rabbit

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

Acute toxicity - oral

**Acute toxicity oral (LD₅₀
mg/kg)** 2,870.0

Species Rat

Notes (oral LD₅₀) LD₅₀ 2870 mg/kg, Oral, Rat

ATE oral (mg/kg) 2,870.0

Acute toxicity - dermal

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

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Animal data (OECD Test Guideline 404) Rabbit.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.
(OECD Test Guideline 405) Rabbit.

Reproductive toxicity

Summary

In the present two-generation reproductive toxicity study in the rat, which was compliant with OECD 416 and performed under GLP conditions, rats were treated with 0.03, 0.1 and 0.3% test substance in drinking water. In summary, there was no effect of treatment at any dose level neither on reproduction nor systemic toxicity of the parents or offspring. The reproductive/developmental and the systemic NOAEL were therefore considered to be ≥ 0.3 %; corresponding to roughly ≥ 300 mg/kg bw/day.

Toxicokinetics

Absorption rate - oral (%): 100
Absorption rate - dermal (%): 0.9

Repeated dose toxicity

NOAEL, 90 d 300 mg/kg bw/d, Oral, Rat
Based on available data the classification criteria are not met.

propan-2-ol

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 5840 mg/kg, Oral, Rat (OECD Test Guideline 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 13900 mg/kg, Dermal, Rabbit (OECD 402)

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ 25 mg/l, Inhalation, Rat 4 hours (OECD 403)

Skin corrosion/irritation

Animal data Slightly irritating.
Rabbit 4 hour (OECD 404)

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation. Rabbit (OECD 405)

Respiratory sensitisation

Respiratory sensitisation Guinea pig: Not sensitising. Buehler test (OECD 406)

Germ cell mutagenicity

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Genotoxicity - in vitro	Bacterial reverse mutation test: Negative without metabolic activation., Negative with metabolic activation. (OECD 471) Gene mutation, Mammalian Cell Line: Negative without metabolic activation., Negative with metabolic activation. (OECD 476) intraperitoneal., Mouse: Negative. (OECD Guideline 474)
Carcinogenicity	
Carcinogenicity	104 week, Inhalation, Vapour, Rat, Female, Male 6 hour, -, day 5 day, -, week OECD 451
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	
Reproductive toxicity - fertility	One-generation study - NOAEL 853 mg/kg, Oral, Rat P OECD Guideline 415 (One-Generation Reproduction Toxicity Study) Two-generation study - NOAEL 500 mg/kg, Oral, Rat P (OECD Guideline 416) Two-generation study - NOAEL 1000 mg/kg, Oral, Rat F1 (OECD Guideline 416)

SECTION 12: Ecological information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.
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12.1. Toxicity

Toxicity	Based on available data the classification criteria are not met.
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Ecological information on ingredients.

tetrasodium ethylene diamine tetraacetate

Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 96 hour: >100 mg/l, Read-across data. NOEC, 35 day: >= 35.1 mg/l, (OECD 210) Read-across data.
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hour: >100 mg/l, Read-across data. NOEC, 72 hour: > 48.4 mg/l, (OECD 201) Read-across data.
Acute toxicity - aquatic plants	EC ₅₀ , 72 hour: >100 mg/l, Read-across data.

Alkyl polyglucoside

Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 96 hour: 100.81 mg/l, Danio rerio (zebra fish) (DIN EN ISO 7346-2) LC ₅₀ , 96 hour: 96.64 mg/l, Scophthalmus maximus (OSPARCOM 1995) NOEC, 28 day: 1.8 mg/l, Brachydanio rerio (Zebra Fish) (OECD 204)

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Acute toxicity - aquatic invertebrates EC₅₀, 48 hour: > 100 mg/l, Daphnia magna (OECD 202)
EC₅₀, 48 hour: 31.62 mg/l, Acartia tonsa (ISO/PARCOM 1990/92)
EC₁₀, 21 day: 1.76 mg/l, Daphnia magna (OECD 202)

Acute toxicity - aquatic plants EC₅₀, 72 hour: 27.22 mg/l, Scenedesmus subspicatus (DIN 38412- 9)
EC₁₀, 72 hour: 6.25 mg/l, Scenedesmus subspicatus (DIN 38412- 9)
EL₅₀, 72 hour: 7.03 mg/l, Skeletonema costatum (ISO 10253)
NOEC, 72 hour: 6 mg/l, Skeletonema costatum (ISO 10253)

Acute toxicity - microorganisms EC₅₀, 6 hour: > 560 mg/l, Pseudomonas putida (Bringmann & Kühn)

Sodium hydroxide

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 45.6 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC₅₀, 96 hour: 196 mg/l, Marinewater fish
LC₅₀, 96 hour: 125 mg/l, Freshwater fish, Western mosquitofish

Acute toxicity - aquatic invertebrates EC₅₀, 96 hours: 33-100 mg/l, Daphnia magna
EC₅₀, 2 day: 40,4 mg/l, Daphnia magna

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 4 day: 56 mg/l, Marinewater fish

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

Toxicity Harmful to aquatic life with long lasting effects.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, : >10-100 mg/l, Fish
LC₅₀, 96 hour: 7.1 mg/l, Danio rerio (zebra fish) (OECD 203)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hour: 7.4 mg/l, Daphnia sp. (OECD 202)
(Daphnia sp. Acute Immobilisation Test)

Acute toxicity - aquatic plants ErC₅₀, 72 hour: 27.7 mg/l, Scenedesmus subspicatus (OECD 201)

Acute toxicity - microorganisms EC₅₀, : >100 mg/l, Bacteria

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, : > 0,1 - 1 mg/l,

Toxicity to soil EC₁₀, 56 day: ≥750 mg a.i./kg soil dw , Eisenia Fetida (Earthworm)

NOEC-Fish 0.14 mg/L, Oncorhynchus mykiss (similar to OECD 215)

NOEC-Aquatic Invertebrates 0.27 mg/L, (QSAR-model)

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NOEC-Aquatic Plants 0.95 mg/L, Scenedesmus subspicatus (OECD 201)

Coconut alkyl dimethyl amine oxide

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

propan-2-ol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 10000 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₁₀, 7 day: 1800 mg/l, Algae

Acute toxicity - microorganisms EC₁₀, 16 hour: 1050 mg/l, Pseudomonas putida

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known. Expected to be readily biodegradable.

Ecological information on ingredients.

tetrasodium ethylene diamine tetraacetate

Biodegradation - 60: < 28 day
(OECD Guideline 301B)

Alkyl polyglucoside

Persistence and degradability The substance is readily biodegradable.

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

Persistence and degradability The substance is readily biodegradable.
This surfactant complies with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

Biodegradation Water - Degradation 100%: 28 day
EU Method C.4-A (Determination of the "Ready" Biodegradability - Dissolved Organic Carbon (DOC) Die-Away Test)
- Degradation ≥77%: 28 day
(O₂ consumption)
(OECD Test Guideline 301D)

propan-2-ol

Persistence and degradability The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.

Partition coefficient No information available.

Ecological information on ingredients.

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tetrasodium ethylene diamine tetraacetate

Bioaccumulative potential Read-across data.

Bioconcentration factor (BCF) 1-2 L/kg

Alkyl polyglucoside

Bioaccumulative potential Not determined: log Kow ≤ 3. Bioaccumulation is unlikely.

Sodium hydroxide

Bioaccumulative potential No potential for bioaccumulation.

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

Bioaccumulative potential log Kow: <=3, Low potential.
Alkyl ether sulfates have a limited potential to bioaccumulate. Available studies on the uptake and elimination of surfactants suggest a rapid uptake, but also fast biotransformation and elimination of the substances. The proposed mechanism for the elimination is the enzymatic breakdown to polar metabolites and alkyl chains by ω- and β-oxidations subsequently or in parallel.

propan-2-ol

Bioaccumulative potential Low potential.

Partition coefficient log Kow: <3

Bioconcentration factor (BCF) 1.015 L/kg.

12.4. Mobility in soil

Mobility No data available. The product is water soluble and spreads in the soil in this way.

Ecological information on ingredients.

propan-2-ol

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Endocrine disrupting properties

Endocrine disrupting properties The product does not contain any endocrine disrupting substance.

12.7. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

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Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

Disposal methods Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

Waste class 20 01 29* Detergents containing dangerous substances

SECTION 14: Transport information

14.1. UN number or ID number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, N.O.S.(Sodium hydroxide)
Proper shipping name (IMDG)	CORROSIVE LIQUID, N.O.S.(Sodium hydroxide)
Proper shipping name (ICAO)	CORROSIVE LIQUID, N.O.S.(Sodium hydroxide)
Proper shipping name (ADN)	CORROSIVE LIQUID, N.O.S.(Sodium hydroxide)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

Transport labels



Transport additional labels



Limited quantity

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

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Commission Regulation (EU) 2020/878 of 18 June 2020.
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14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)
Limited quantities (ADR)	5 L

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk according to IMO instruments	Not applicable.
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SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits. Commission Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) 2020/878 of 18 June 2020. Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).
Authorisations (SI 2020 No. 1577 Annex XIV) and REACH 1907/2006, Annex XIV	No specific authorisations are known for this product.
Restrictions (SI 2020 No. 1577 Annex XVII) and REACH 1907/2006, Annex XVII	No specific restrictions on use are known for this product.
Seveso Directive - Control of major accident hazards	Not relevant.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). EC ₅₀ : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
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Commission Regulation (EU) 2020/878 of 18 June 2020.
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

Classification abbreviations and acronyms	Eye Dam. = Serious eye damage Skin Corr. = Skin corrosion
Key literature references and sources for data	Source: European Chemicals Agency, http://echa.europa.eu/ This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author 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.
Classification procedures	Eye Dam. 1 - H318: Skin Corr. 1B - H314: : Calculation method.
Revision comments	This is the first issue.
Issued by	Bülent Özdemir / CRAD www.crad.com.tr gbf@crad.com.tr
Revision date	05/08/2024
Revision	1.0
Supersedes date	05/08/2024
SDS number	15215
Hazard statements in full	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.

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.