SAFETY DATA SHEET
TEXTILE CLEANER

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 TEXTILE CLEANER

UFI UFI: J820-Y0FN-T00C-040H

Product number 112110

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

Identified uses Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier BCG Turkey Kimya A.Ş.
Karamehmet 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 Alcohols, C12-18, ethoxylated, Alkyl polyglucoside, Sodium hydroxide, tetrasodium ethylene diamine tetraacetate

Detergent labelling 5 - < 15% non-ionic surfactants
< 5% EDTA and salts thereof
α-hexylcinnamaldehyde, D-Limonene

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2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Alcohols, C12-18, ethoxylated **1-5%**

CAS number: 68213-23-0 EC number: 500-201-8

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

Alkyl polyglucoside **1-5%**

CAS number: 68515-73-1 EC number: 500-220-1

Classification
Eye Dam. 1 - H318

Sodium hydroxide **1-5%**

CAS number: 1310-73-2 EC number: 215-185-5

Specific Concentration Limits - Sodium hydroxide: Skin Corr. 1A; H314: C ≥ 5%, Skin Corr. 1B; H314: 2% ≤ C < 5%, Skin Irrit. 2; H315: 0,5% ≤ C < 2%, Eye Irrit. 2; H319: 0,5% ≤ C < 2%

Classification
Skin Corr. 1A - H314
Eye Dam. 1 - H318

tetrasodium ethylene diamine tetraacetate **1-5%**

CAS number: 64-02-8 EC number: 200-573-9

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318

Diethyl phthalate **<1%**

CAS number: 84-66-2 EC number: 201-550-6

Classification
Not Classified

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2-butoxyethanol	**<1%**
CAS number: 111-76-2	EC number: 203-905-0
OralATE = 1200 mg/kg InhalationVapourATE = 3 mg/L	

Classification
Acute Tox. 4 - H302
Acute Tox. 3 - H331
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

2,6-di-tert-butyl-p-cresol	**<0.25%**
CAS number: 128-37-0	EC number: 204-881-4
M factor (Acute) = 1	M factor (Chronic) = 1

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

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.

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

Notes for the doctor Treat symptomatically.

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

Diethyl phthalate

Long-term exposure limit (8-hour TWA): ACGIH, TLV=Threshold Limit Value 5 mg/m³

2-butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³
Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³
Sk

2,6-di-tert-butyl-p-cresol

Long-term exposure limit (8-hour TWA): 10 mg/m³
Short-term exposure limit (15-minute): 40 mg/m³

WEL = Workplace Exposure Limit.
ACGIH = American Conference of Governmental Industrial Hygienists.
Sk = Can be absorbed through the skin.

Alcohols, C12-18, ethoxylated (CAS: 68213-23-0)

DNEL
Workers - Inhalation; Long term systemic effects: 294 mg/m³
Workers - Dermal; Long term systemic effects: 2080 mg/kg/day
General population - Inhalation; Long term systemic effects: 87 mg/m³
General population - Dermal; Long term systemic effects: 1250 mg/kg/day
General population - Oral; Long term systemic effects: 25 mg/kg/day

PNEC
Fresh water; 0.048 mg/l
Fresh water, Intermittent release; 0.004 mg/l
marine water; 0.048 mg/l
STP; 10 g/l
Sediment (Freshwater); 292 mg/kg
Sediment (Marinewater); 292 mg/kg
Soil; 1 mg/kg

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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

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/m³
General population - Inhalation; Long term local effects: 1 mg/m³

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

2-butoxyethanol (CAS: 111-76-2)

DNEL

Consumer - Oral; Long term systemic effects: 3,2 mg/kg
Consumer - Inhalation; Long term systemic effects: 49 mg/m³
Consumer - Dermal; Long term systemic effects: 38 mg/kg
Workers - Inhalation; Long term systemic effects: 98 mg/m³
Workers - Dermal; Long term systemic effects: 75 mg/kg

PNEC

- Fresh water; 88 mg/l
- marine water; 88 mg/l
- Sediment (Freshwater); 34,6 mg/kg
- Sediment (Marinewater); 3,46 mg/kg
- Intermittent release; 91 mg/l
- STP; 463 mg/l

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(R)-p-mentha-1,8-diene (CAS: 5989-27-5)

DNEL

Workers - Inhalation; Long term systemic effects: 66.7 mg/m³
Workers - Dermal; Long term systemic effects: 9.5 mg/kg bw/d
General population - Inhalation; Long term systemic effects: 16.6 mg/m³
General population - Dermal; Long term systemic effects: 4.8 mg/kg bw/d
General population - Oral; Long term systemic effects: 4.8 mg/kg bw/d

PNEC

Fresh water; 14 µg/l
marine water; 1.4 µg/l
STP; 1.8 µg/l
Sediment (Freshwater); 3.85 mg/kg, dry weight
Sediment (Marinewater); 0.385 mg/kg, dry weight
Soil; 0.763 mg/kg, dry weight
Oral (secondary poisoning); 133 mg/kg

2,6-di-tert-butyl-p-cresol (CAS: 128-37-0)

DNEL

Workers - Inhalation; Long term systemic effects: 3,5 mg/m³
Workers - Inhalation; Acute systemic effects: 18 mg/m³
Workers - Dermal; Long term systemic effects: 0,5 mg/kg bw/d
Workers - Dermal; Acute systemic effects: 19 mg/kişi/gün
Consumer - Inhalation; Long term systemic effects: 0,78 mg/m³
Consumer - Inhalation; Acute systemic effects: 3,1 mg/m³
Consumer - Dermal; Long term systemic effects: 0,25 mg/kg bw/d
Consumer - Dermal; Acute systemic effects: 6,7 mg/kg bw/d
Consumer - Oral; Long term systemic effects: 0,25 mg/kg bw/d
Consumer - Oral; Acute systemic effects: 1 mg/kg bw/d

PNEC

Fresh water; 0,000199-0,0023 mg/l
marine water; 0,0000199-0,00023 mg/l
Sediment (Freshwater); 0,0996-3,4 mg/kg
Sediment (Marinewater); 0,00996-0,34 mg/kg
STP; 0,17-100 mg/kg

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.

Hand protection Wear protective gloves. 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.It is recommended that gloves are made of the following material: Nitrile rubber. 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.

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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	Green.
Odour	Orange.
Odour threshold	No information available.
pH	pH (concentrated solution): 11.0
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
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.

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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react with the product: Acids.

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 LD_{50}) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 11,679.79

Acute toxicity - dermal

Notes (dermal LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l) 3,000.0

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Corrosive to skin. 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.

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.

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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.

Alcohols, C12-18, ethoxylated

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Alkyl polyglucoside

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 2000 mg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} > 2000 mg/kg, Dermal, Rabbit (OECD 402)

Sodium hydroxide

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} 325 mg/kg, Oral, Rabbit

tetrasodium ethylene diamine tetraacetate

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 1,780.0

Species Rat

ATE oral (mg/kg) 1,780.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l) 0.03

Species Rat

2-butoxyethanol

Acute toxicity - oral

Notes (oral LD_{50}) REACH dossier information.

ATE oral (mg/kg) 1,200.0

Acute toxicity - dermal

Notes (dermal LD_{50}) LD0 >2000 mg/kg, Dermal, Guinea pig REACH dossier information.
NOAEC >2000 mg/kg, Dermal, Guinea pig REACH dossier information.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) REACH dossier information.

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ATE inhalation (vapours mg/l) 3.0

Skin corrosion/irritation

Skin corrosion/irritation in vivo. Rabbit 28 day
EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)
Severe skin irritation. REACH dossier information.

Serious eye damage/irritation

Serious eye damage/irritation in vivo. Rabbit (OECD Test Guideline 405)
Causes serious eye irritation. REACH dossier information.

Skin sensitisation

Skin sensitisation Guinea pig (OECD Test Guideline 406) Guinea pig maximization test (GPMT)
Not sensitising. REACH dossier information.

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Repeated dose toxicity NOAEL <69 mg/kg/day, Oral, Rat, Male (OECD 408) REACH dossier information.
NOAEL <82 mg/kg/day, Oral, Rat, Female (OECD 408) REACH dossier information.

(R)-p-mentha-1,8-diene

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} > 2000 mg/kg bw/d, Oral, Rat (OECD Guideline 423)

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} > 5000 mg/kg bw/d, Dermal, Rabbit Read-across data.

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation. Rabbit

Animal data Dose: 0.5 ml, 4 hour, Rabbit, (OECD Test Guideline 404) Not fully reversible in 7 day

Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Sensitising. OECD Guideline 429

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

2,6-di-tert-butyl-p-cresol

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} >6,000 µg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} >2000 mg/kg, Dermal, Rat (OECD 402)

Reproductive toxicity

Reproductive toxicity - fertility - LOAEL 25 mg/kg bw/d, , Male, Female F1
- NOAEL 500 mg/kg bw/d, , Male, Female F, P

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL ≥ 61 mg/kg, Oral, Rat 90 day

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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.

12.1. Toxicity

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

Ecological information on ingredients.

Alcohols, C12-18, ethoxylated

Acute aquatic toxicity

Acute toxicity - fish
LC_{50}, 96 hour: 0.876 mg/l,
EC_{20}, 30 day: 0.86 mg/l,

Acute toxicity - aquatic invertebrates
EC_{50}, 48 hour: 2.7 mg/l, Daphnia magna
EC_{20}, 21 day: 0.469 mg/l, Daphnia magna

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)

Acute toxicity - aquatic invertebrates
EC_{50}, 48 hour: > 100 mg/l, Daphnia magna
(OECD 202)
EC_{50}, 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
EC_{50}, 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
EC_{50}, 6 hour: > 560 mg/l, Pseudomonas putida
(Bringmann & Kühn)

Sodium hydroxide

Acute aquatic toxicity

Acute toxicity - fish
LC_{50}, 96 hours: 45.6 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC_{50}, 96 hour: 196 mg/l, Marinewater fish
LC_{50}, 96 hour: 125 mg/l, Freshwater fish, Western mosquitofish

Acute toxicity - aquatic invertebrates
EC_{50}, 96 hours: 33-100 mg/l, Daphnia magna
EC_{50}, 2 day: 40,4 mg/l, Daphnia magna

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Chronic aquatic toxicity

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

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.

2-butoxyethanol

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hour: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 1550 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hour: 911 mg/l, Pseudokirchneriella subcapitata

α-hexylcinnamaldehyde

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

(R)-p-mentha-1,8-diene

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	EC10, 8 day: 0.37 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 0.307 mg/l, Freshwater invertebrates EC10, 21 day: 0.153 mg/l, Freshwater invertebrates
Acute toxicity - aquatic plants	EC_{50}, 72 hour: 0.32 mg/l, Pseudokirchneriella subcapitata EC10, 72 hour: 0.174 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC_{50}, 3 hour: 209 mg/l, Activated sludge (OECD 209)

2,6-di-tert-butyl-p-cresol

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

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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.

Acute toxicity - fish	LC_{50}, : > 0.57 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC_{50}, : 0,48 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hour: >0.4 mg/l, Desmodesmus subspicatus
Chronic aquatic toxicity	
M factor (Chronic)	1
Chronic toxicity - aquatic invertebrates	LOEC, 21 day: 1 mg/l, Daphnia magna NOEC, 21 day: 0.023 mg/l, Daphnia magna NOEC, 42 day: 0.053 mg/l, Oryzias latipes (Red killifish)

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.

Alcohols, C12-18, ethoxylated

Persistence and degradability	The substance is readily biodegradable. > 60 % BOI, 30 day Aerobic. (OECD 301D)
Biodegradation	Air, Aerobic - Degradation 93%: 28 day

Alkyl polyglucoside

Persistence and degradability	The substance is readily biodegradable.

tetrasodium ethylene diamine tetraacetate

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

2-butoxyethanol

Biological oxygen demand	5 day %91 Fresh water 28 day %92 Fresh water

(R)-p-mentha-1,8-diene

Persistence and degradability	The substance is readily biodegradable. (OECD 301D)

2,6-di-tert-butyl-p-cresol

Phototransformation	Half Life: 0.585 day
Biodegradation	- ≈ 4.5 %: 28 day

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.

Alcohols, C12-18, ethoxylated

Bioaccumulative potential	No potential for bioaccumulation. Bioaccumulation is unlikely.

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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.

Alkyl polyglucoside

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

Sodium hydroxide

Bioaccumulative potential No potential for bioaccumulation.

tetrasodium ethylene diamine tetraacetate

Bioaccumulative potential Read-across data.

Bioconcentration factor (BCF) 1-2 L/kg

2-butoxyethanol

Partition coefficient : 0,81

(R)-p-mentha-1,8-diene

Bioconcentration factor (BCF) 690.1 l/kg

2,6-di-tert-butyl-p-cresol

Bioconcentration factor (BCF) 465 l/kg

12.4. Mobility in soil

Mobility The product is water soluble and spreads in the soil in this way.

Ecological information on ingredients.

(R)-p-mentha-1,8-diene

Adsorption/desorption coefficient - Koc: 2413 @ 20°C

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.

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.

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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.

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

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.

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

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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.

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.

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.
Classification abbreviations and acronyms	Eye Dam. = Serious eye damage Skin Corr. = Skin corrosion

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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.

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 preapared 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	09/07/2024
Revision	1.0
Supersedes date	09/07/2024
SDS number	15133
Hazard statements in full	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. H331 Toxic if inhaled. 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.