SAFETY DATA SHEET
ENGINE 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 ENGINE CLEANER

UFI UFI: 1E50-Q00C-400N-GRJW

Product number 110385

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

Identified uses A cleanser designed to clean the engine block and engine parts from oil stains, grease leaks, adhering dust, insects and other road dirt in the engine compartment.

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 Eye Irrit. 2 - H319

Environmental hazards Not Classified

Additional information Classification (Regulation (EC) No. 1272/2008).

2.2. Label elements

Hazard pictograms

Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements P102 Keep out of reach of children.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.

Detergent labelling < 5% EDTA and salts thereof
< 5% non-ionic surfactants
2-Methyl-4-isothiazolin-3-one

2.3. Other hazards

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

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

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

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

Diethyl phthalate **<1%**

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

Classification
Not Classified

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.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin contact Rinse with water. Get medical attention if symptoms are severe or persist after washing.

Eye contact Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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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 No specific symptoms known.

Ingestion May cause irritation.

Skin contact No specific symptoms known. Prolonged skin contact may cause temporary irritation.

Eye contact Irritating to eyes. Irritation and redness, followed by blurred vision.

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

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. 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. 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 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. Take care as floors and other surfaces may become slippery. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions 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. 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 breathing vapour/spray.

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-flammable liquids that can not be assigned to any of the aforementioned LGK

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

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

Diethyl phthalate

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

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.

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

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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

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

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. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

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 repeated or prolonged 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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Pink.
Odour	Cherry.
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.

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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 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: Harmful 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) 178,000.0

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) 600.0

Skin corrosion/irritation

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

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

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 (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

Alcohols, C12-18, ethoxylated

Acute toxicity - oral

ATE oral (mg/kg)	500.0

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.

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Acute toxicity - inhalation

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

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.

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

2-methylisothiazol-3(2H)-one

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 120.0

Species Rat

ATE oral (mg/kg) 120.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg) 242.0

Species Rat

ATE dermal (mg/kg) 242.0

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Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l)	0.11
Species	Rat
ATE inhalation (dusts/mists mg/l)	0.11

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.

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.

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

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

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

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1

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M factor (Acute)	1
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)

2-methylisothiazol-3(2H)-one

Acute aquatic toxicity	
LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	10
Chronic aquatic toxicity	
M factor (Chronic)	1

12.2. Persistence and degradability

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

Ecological information on ingredients.

tetrasodium ethylene diamine tetraacetate

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

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

2-butoxyethanol

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

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.

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tetrasodium ethylene diamine tetraacetate

Bioaccumulative potential Read-across data.

Bioconcentration factor (BCF) 1-2 L/kg

Alcohols, C12-18, ethoxylated

Bioaccumulative potential No potential for bioaccumulation. Bioaccumulation is unlikely.

2-butoxyethanol

Partition coefficient : 0,81

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.

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.

Waste class 20 01 29* Detergents containing dangerous substances

SECTION 14: Transport information

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

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name Not

applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

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14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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 (EU) 2020/878 of 18 June 2020. 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). 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 Irrit. = Eye irritation
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 Irrit. 2 - H319: : 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	15129
Hazard statements in full	H302 Harmful if swallowed. 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.