

SAFETY DATA SHEET

Grill Professional

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 | Grill Professional |
| UFI | UFI: 8360-R0HH-K00M-SG7E |
| Product number | 125470, 125586 |

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

| | |
|-----------------|--|
| Identified uses | Universal product for combi-steam ovens, ovens, ovens, grills. Removes grease, carbon deposits, soot and burnt food from enameled, chrome-plated surfaces, glass, stainless steel, earthenware, porcelain. |
|-----------------|--|

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. 1A - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 |
| 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. H335 May cause respiratory irritation. |
|-------------------|---|

| | |
|--------------------------|---|
| 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. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 | Sodium hydroxide, 2-aminoethanol, potassium hydroxide, Alkyl polyglucoside |
|----------|--|

| | |
|---------------------|----------------------------|
| Detergent labelling | < 5% non-ionic surfactants |
|---------------------|----------------------------|

Grill Professional

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

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

| |
|--|
| <p>Sodium hydroxide 10-20%</p> <p>CAS number: 1310-73-2 EC number: 215-185-5</p> <p>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%</p> |
| <p>Classification</p> <p>Skin Corr. 1A - H314 Eye Dam. 1 - H318</p> |
| <p>2-aminoethanol 5-10%</p> <p>CAS number: 141-43-5 EC number: 205-483-3</p> <p>SCL:STOT SE 3 - H335C≥5 %</p> |
| <p>Classification</p> <p>Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412</p> |
| <p>potassium hydroxide 1-5%</p> <p>CAS number: 1310-58-3 EC number: 215-181-3</p> <p>Specific Concentration Limits - Potassium hydroxide: Skin Corr. 1B; H314: 2 % ≤ C < 5 %, Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %, Skin Corr. 1A; H314: C ≥ 5 %, Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %</p> |
| <p>Classification</p> <p>Acute Tox. 4 - H302 Skin Corr. 1A - H314 Eye Dam. 1 - H318</p> |
| <p>Alkyl polyglucoside 1-5%</p> <p>CAS number: 68515-73-1 EC number: 500-220-1</p> |
| <p>Classification</p> <p>Eye Dam. 1 - H318</p> |

Grill Professional

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

| |
|---|
| 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 |

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. |
|-----------------------------|------------------------|

Grill Professional

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 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.

Grill Professional

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 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

2-aminoethanol

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2.5 mg/m³

Short-term exposure limit (15-minute): WEL 3 ppm 7.6 mg/m³

Sk

potassium hydroxide

Short-term exposure limit (15-minute): OSHA 2 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

Diethyl phthalate

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

WEL = Workplace Exposure Limit.

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

Sk = Can be absorbed through the skin.

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

Grill Professional

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

2-aminoethanol (CAS: 141-43-5)

DNEL Consumer - Oral; Long term systemic effects: 3,75 mg/kg bw/d
Workers - Dermal; Long term systemic effects: 1 mg/kg bw/d
Consumer - Dermal; Long term systemic effects: 0,24 mg/kg bw/d
Workers - Inhalation; Short term local effects: 3,3 mg/m³
Consumer - Inhalation; Long term systemic effects: 2 mg/m³

PNEC Fresh water; 0.07 mg/l
marine water; 0.007 mg/l
Intermittent release; 0.025 mg/l
Sediment (Freshwater); 0.357 mg/kg
Sediment (Marinewater); 0.036 mg/kg
Soil; 1.29 mg/kg
STP; 100 mg/l

potassium hydroxide (CAS: 1310-58-3)

DNEL Workers - Inhalation; Long term local effects: 1 mg/m³

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

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

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.

Grill Professional

Commission Regulation (EU) 2020/878 of 18 June 2020.

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

| | |
|--|--|
| 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 | No information available. |
| Odour | Orange. |
| Odour threshold | No information available. |
| pH | pH (concentrated solution): 11.5 |
| 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 |

Grill Professional

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

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) 7,209.65

Acute toxicity - dermal

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

ATE dermal (mg/kg) 18,333.33

Acute toxicity - inhalation

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

ATE inhalation (vapours mg/l) 500.0

ATE inhalation (dusts/mists mg/l) 25.0

Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Grill Professional

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

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 May cause respiratory irritation.

Target organs Respiratory system, lungs

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.

Sodium hydroxide

Acute toxicity - oral

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

2-aminoethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,515.0

Species (ECHA)

ATE oral (mg/kg) 1,515.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 1.5

Grill Professional

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

potassium hydroxide

Acute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 333.0

Species Rat

Notes (oral LD₅₀) LD₅₀ 388 mg/kg, Oral, Rat (OECD 425)

ATE oral (mg/kg) 333.0

Skin corrosion/irritation

Animal data Corrosive to skin. Rabbit 4 hour (OECD 404)

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed. Rabbit 4 hour (OECD 405)

Skin sensitisation

Skin sensitisation Intracutaneous test. - Guinea pig: Not sensitising. (Landsteiner & Jacobs)

Germ cell mutagenicity

Genotoxicity - in vivo Bacterial reverse mutation test, Ames test: Negative without metabolic activation., Negative with metabolic activation.

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)

2-butoxyethanol

Acute toxicity - oral

Notes (oral LD₅₀) REACH dossier information.

ATE oral (mg/kg) 1,200.0

Acute toxicity - dermal

Notes (dermal LD₅₀) 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 LC₅₀) 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.

Grill Professional

Commission Regulation (EU) 2020/878 of 18 June 2020.

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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 LD₅₀) LD₅₀ >6,000 µg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >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

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.

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

2-aminoethanol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: 349 mg/l, Cyprinus carpio (Common carp)
LC₅₀, 4 day: 150 mg/l, Rainbow trout, Donaldson trout
LC₅₀, 96 hour: 170,000 µg/L, Goldfish
LC₅₀, 4 day: >200 mg/l, Rainbow trout, Donaldson trout
LC₅₀, 4 day: 300 mg/l, Bluegill
LC₅₀, 96 hour: 329,160 µg/L, Bluegill
LC₅₀, 96 hour: 337,500 µg/L, Western mosquitofish
LC₅₀, 96 hour: 2,070,000 µg/L, Fathead Minnow

Grill Professional

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 - aquatic plants IC₅₀, 72 hour: 2,5 mg/l, Selenastrum capricornutum
EC₅₀, 96 hour: 80,000 µg/L, Freshwater plants

Acute toxicity - microorganisms EC₅₀, 48 hour: 65 mg/l, Daphnia magna (Water flea)

potassium hydroxide

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: 80 mg/l, Gambusia affinis.

Acute toxicity - aquatic invertebrates EC₅₀, : > 100 mg/l, Daphnia magna (OECD 202)

Acute toxicity - microorganisms EC0: > 100 mg/l, 30 minute

Alkyl polyglucoside

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: 100.81 mg/l, Danio rerio (zebra fish) (DIN EN ISO 7346-2)
LC₅₀, 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 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)

2-butoxyethanol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hour: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hour: 1550 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 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

Grill Professional

Commission Regulation (EU) 2020/878 of 18 June 2020.

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

| | |
|---|---|
| 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, Desmodosmus 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.

2-aminoethanol

| | |
|---------------------------------|--|
| Biodegradation | Aerobic - Degradation >90%: 21 day (OECD Test Guideline 301A) |
| Biological oxygen demand | 800 mg O ₂ /g 5 day |

Alkyl polyglucoside

Persistence and degradability The substance is readily biodegradable.

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.

Sodium hydroxide

Bioaccumulative potential No potential for bioaccumulation.

2-aminoethanol

Bioaccumulative potential log Pow: -1,31,
BCF: <100,
Low potential.

Grill Professional

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: $\log Kow \leq 3$. 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 No data available. The product is water soluble and spreads in the soil in this way.

Ecological information on ingredients.

2-aminoethanol

Henry's law constant 3.7 E-5 Pa m³/mol @ -°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.

Ecological information on ingredients.

potassium hydroxide

Results of PBT and vPvB assessment Substance is inorganic.

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.

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

Grill Professional

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

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, potassium hydroxide)

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

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

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

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.

Grill Professional

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 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 STOT SE = Specific target organ toxicity-single exposure |
| 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. |

Grill Professional

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 procedures | Eye Dam. 1 - H318: Skin Corr. 1A - H314: STOT SE 3 - H335: : Calculation method. |
| Revision comments | This is the first issue. |
| Issued by | Bülent Özdemir / CRAD www.crad.com.tr gbf@crad.com.tr |
| Revision date | 05/09/2024 |
| Revision | 1.0 |
| Supersedes date | 05/09/2024 |
| SDS number | 15473 |
| Hazard statements in full | H302 Harmful if swallowed. H312 Harmful in contact with skin. 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. H332 Harmful if inhaled. H335 May cause respiratory irritation. 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.