

# SAFETY DATA SHEET

## MOTOR 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** MOTOR CLEANER  
**UFI** UFI: U110-V0T3-H00E-RAUM  
**Product number** 116100

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

**Contact person** info@bcg-turkiye.com

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification (SI 2019 No. 720)**  
**Physical hazards** Not Classified  
**Health hazards** Skin Corr. 1A - 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** Sodium hydroxide, Alkyl polyglucoside, Alcohols, C12-14, ethoxylated, sulfates, sodium salts

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

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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

|  |
|--|
| <p><b>Sodium hydroxide</b> <span style="float: right;"><b>5-10%</b></span></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 &lt; 5%, Skin Irrit. 2; H315: 0,5% ≤ C &lt; 2%, Eye Irrit. 2; H319: 0,5% ≤ C &lt; 2%</p> |
| <p><b>Classification</b></p> <p>Skin Corr. 1A - H314<br/>Eye Dam. 1 - H318</p>   |
| <p><b>Alkyl polyglucoside</b> <span style="float: right;"><b>1-5%</b></span></p> <p>CAS number: 68515-73-1                      EC number: 500-220-1</p>   |
| <p><b>Classification</b></p> <p>Eye Dam. 1 - H318</p>  |
| <p><b>Alcohols, C12-14, ethoxylated, sulfates, sodium salts</b> <span style="float: right;"><b>1-5%</b></span></p> <p>CAS number: 68891-38-3                      EC number: 500-234-8</p> <p>Eye Dam. 1 - H318: ≥10%. Eye Irrit. 2 - H319: ≥5 - 10%</p>   |
| <p><b>Classification</b></p> <p>Skin Irrit. 2 - H315<br/>Eye Dam. 1 - H318<br/>Aquatic Chronic 3 - H412</p>  |
| <p><b>2-butoxyethanol</b> <span style="float: right;"><b>&lt;1%</b></span></p> <p>CAS number: 111-76-2                      EC number: 203-905-0</p> <p>OralATE = 1200 mg/kg<br/>InhalationVapourATE = 3 mg/L</p>  |
| <p><b>Classification</b></p> <p>Acute Tox. 4 - H302<br/>Acute Tox. 3 - H331<br/>Skin Irrit. 2 - H315<br/>Eye Irrit. 2 - H319</p>   |
| <p><b>Diethyl phthalate</b> <span style="float: right;"><b>&lt;1%</b></span></p> <p>CAS number: 84-66-2                      EC number: 201-550-6</p>  |
| <p><b>Classification</b></p> <p>Not Classified</p>   |

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|                                   |                        |
|-----------------------------------|------------------------|
| <b>2,6-di-tert-butyl-p-cresol</b> | <b>&lt;0.25%</b>       |
| CAS number: 128-37-0              | EC number: 204-881-4   |
| M factor (Acute) = 1              | M factor (Chronic) = 1 |
| <b>Classification</b>             |                        |
| 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

|                                   |   |
|-----------------------------------|---|
| <b>General information</b>        | Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel. Chemical burns must be treated by a physician.   |
| <b>Inhalation</b>                 | 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. |
| <b>Ingestion</b>                  | Rinse mouth thoroughly with water. Stop if the affected person feels sick as vomiting may be dangerous. Get medical attention.  |
| <b>Skin contact</b>               | 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.   |
| <b>Eye contact</b>                | 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.   |
| <b>Protection of first aiders</b> | 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

|                            |   |
|----------------------------|---|
| <b>General information</b> | The severity of the symptoms described will vary dependent on the concentration and the length of exposure.   |
| <b>Inhalation</b>          | 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. |
| <b>Ingestion</b>           | May cause chemical burns in mouth, oesophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.                                    |
| <b>Skin contact</b>        | Causes severe burns. Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.  |
| <b>Eye contact</b>         | 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

|                             |                        |
|-----------------------------|------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. |
|-----------------------------|------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                       |  |
|---------------------------------------|--|
| <b>Suitable extinguishing media</b>   | 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. |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.   |

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

|                                      |  |
|--------------------------------------|--|
| <b>Specific hazards</b>              | 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. |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.   |

### 5.3. Advice for firefighters

|  |   |
|--|---|
| <b>Protective actions during firefighting</b>        | 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. |
| <b>Special protective equipment for firefighters</b> | 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

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | 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

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | 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

|                                |   |
|--------------------------------|---|
| <b>Methods for cleaning up</b> | 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

|                                    |   |
|------------------------------------|---|
| <b>Reference to other sections</b> | 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. |
|------------------------------------|---|

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|   |   |
|---|---|
| <b>Usage precautions</b>                      | 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. |
| <b>Advice on general occupational hygiene</b> | Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.  |

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### 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/m<sup>3</sup>

##### 2-butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m<sup>3</sup>

Sk

##### Diethyl phthalate

Long-term exposure limit (8-hour TWA): ACGIH, TLV=Threshold Limit Value 5 mg/m<sup>3</sup>

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

Long-term exposure limit (8-hour TWA): 10 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 40 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

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/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

#### *Alkyl polyglucoside (CAS: 68515-73-1)*

**DNEL** Workers - Inhalation; Long term systemic effects: 420 mg/m<sup>3</sup>  
Workers - Dermal; Long term systemic effects: 595 000 mg/kg  
General population - Inhalation; Long term systemic effects: 124 mg/m<sup>3</sup>  
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

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

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

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

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

**DNEL**  
Workers - Inhalation; Long term systemic effects: 1,5 mg/m<sup>3</sup>  
Workers - Inhalation; Short term systemic effects: 3 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 1,5 mg/m<sup>3</sup>  
Workers - Inhalation; Short term local effects: 3 mg/m<sup>3</sup>  
General population - Inhalation; Long term local effects: 0,6 mg/m<sup>3</sup>  
General population - Inhalation; Short term local effects: 1,2 mg/m<sup>3</sup>  
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/m<sup>3</sup>  
Consumer - Dermal; Long term systemic effects: 38 mg/kg  
Workers - Inhalation; Long term systemic effects: 98 mg/m<sup>3</sup>  
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/m<sup>3</sup>  
Workers - Inhalation; Acute systemic effects: 18 mg/m<sup>3</sup>  
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/m<sup>3</sup>  
Consumer - Inhalation; Acute systemic effects: 3,1 mg/m<sup>3</sup>  
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

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### 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



|   |  |
|---|--|
| <b>Appropriate engineering controls</b> | Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.   |
| <b>Eye/face protection</b>              | Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.   |
| <b>Hand protection</b>                  | 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. |
| <b>Other skin and body protection</b>   | Wear appropriate clothing to prevent any possibility of skin contact.  |
| <b>Hygiene measures</b>                 | Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.  |
| <b>Respiratory protection</b>           | 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.   |
| <b>Environmental exposure controls</b>  | 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

|  |                                  |
|--|----------------------------------|
| <b>Appearance</b>                      | Liquid.                          |
| <b>Colour</b>                          | Pink.                            |
| <b>Odour</b>                           | Orange.                          |
| <b>Odour threshold</b>                 | No information available.        |
| <b>pH</b>                              | pH (concentrated solution): 12.0 |
| <b>Melting point</b>                   | No information available.        |
| <b>Initial boiling point and range</b> | No information available.        |
| <b>Flash point</b>                     | No information available.        |
| <b>Evaporation rate</b>                | No information available.        |
| <b>Evaporation factor</b>              | No information available.        |
| <b>Flammability (solid, gas)</b>       | No information available.        |

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|  |                           |
|--|---------------------------|
| 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.           |
| <b>9.2. Other information</b>                |                           |
| 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: 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<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

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### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 1,000.0

### 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.

### 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 LD<sub>50</sub>)** LD<sub>50</sub> 325 mg/kg, Oral, Rabbit

#### *Alkyl polyglucoside*

##### *Acute toxicity - oral*

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 2000 mg/kg, Oral, Rat (OECD 401)

##### *Acute toxicity - dermal*

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> > 2000 mg/kg, Dermal, Rabbit (OECD 402)

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

#### *Acute toxicity - oral*

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,870.0

Species Rat

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> 2870 mg/kg, Oral, Rat

ATE oral (mg/kg) 2,870.0

#### *Acute toxicity - dermal*

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> >2000 mg/kg bw , Dermal, Rat

#### *Skin corrosion/irritation*

Skin corrosion/irritation Causes skin irritation.

Animal data (OECD Test Guideline 404) Rabbit.

#### *Serious eye damage/irritation*

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

#### *Reproductive toxicity*

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

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

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

### *tetrasodium ethylene diamine tetraacetate*

#### *Acute toxicity - oral*

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,780.0

Species Rat

ATE oral (mg/kg) 1,780.0

#### *Acute toxicity - inhalation*

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 0.03

Species Rat

### *2-butoxyethanol*

#### *Acute toxicity - oral*

Notes (oral LD<sub>50</sub>) REACH dossier information.

ATE oral (mg/kg) 1,200.0

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### *Acute toxicity - dermal*

**Notes (dermal LD<sub>50</sub>)** 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<sub>50</sub>)** 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<sub>50</sub>)** LD<sub>50</sub> >6,000 µg/kg, Oral, Rat (OECD 401)

### *Acute toxicity - dermal*

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >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.**

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### *Sodium hydroxide*

#### **Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 45.6 mg/l, Oncorhynchus mykiss (Rainbow trout)  
LC<sub>50</sub>, 96 hour: 196 mg/l, Marinewater fish  
LC<sub>50</sub>, 96 hour: 125 mg/l, Freshwater fish, Western mosquitofish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 96 hours: 33-100 mg/l, Daphnia magna  
EC<sub>50</sub>, 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

### *Alkyl polyglucoside*

#### **Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 100.81 mg/l, Danio rerio (zebra fish) (DIN EN ISO 7346-2)  
LC<sub>50</sub>, 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<sub>50</sub>, 48 hour: > 100 mg/l, Daphnia magna (OECD 202)  
EC<sub>50</sub>, 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<sub>50</sub>, 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<sub>50</sub>, 6 hour: > 560 mg/l, Pseudomonas putida (Bringmann & Kühn)

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

**Toxicity** Harmful to aquatic life with long lasting effects.

#### **Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, : >10-100 mg/l, Fish  
LC<sub>50</sub>, 96 hour: 7.1 mg/l, Danio rerio (zebra fish) (OECD 203)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: 7.4 mg/l, Daphnia sp. (OECD 202)  
(Daphnia sp. Acute Immobilisation Test)

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

**Acute toxicity - microorganisms** EC<sub>50</sub>, : >100 mg/l, Bacteria

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### *Chronic aquatic toxicity*

|   |  |
|---|--|
| <b>Chronic toxicity - aquatic invertebrates</b> | NOEC, : > 0,1 - 1 mg/l,  |
| <b>Toxicity to soil</b>                         | EC10, 56 day: ≥750 mg a.i./kg soil dw , Eisenia Fetida (Earthworm) |
| <b>NOEC-Fish</b>                                | 0.14 mg/L, Oncorhynchus mykiss (similar to OECD 215)               |
| <b>NOEC-Aquatic Invertebrates</b>               | 0.27 mg/L, (QSAR-model)  |
| <b>NOEC-Aquatic Plants</b>                      | 0.95 mg/L, Scenedesmus subspicatus (OECD 201)                      |

### *tetrasodium ethylene diamine tetraacetate*

### *Acute aquatic toxicity*

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

### *2-butoxyethanol*

### *Acute aquatic toxicity*

|   |  |
|---|--|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hour: 1474 mg/l, Oncorhynchus mykiss (Rainbow trout) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hour: 1550 mg/l, Daphnia magna                       |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hour: 911 mg/l, Pseudokirchneriella subcapitata      |

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

### *Acute aquatic toxicity*

|   |  |
|---|--|
| <b>LE(C)<sub>50</sub></b>                     | 0.1 < L(E)C50 ≤ 1  |
| <b>M factor (Acute)</b>                       | 1  |
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , : > 0.57 mg/l, Brachydanio rerio (Zebra Fish) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , : 0,48 mg/l, Daphnia magna                    |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hour: >0.4 mg/l, Desmodemus subspicatus    |

### *Chronic aquatic toxicity*

|   |   |
|---|---|
| <b>M factor (Chronic)</b>                       | 1   |
| <b>Chronic toxicity - aquatic invertebrates</b> | LOEC, 21 day: 1 mg/l, Daphnia magna<br>NOEC, 21 day: 0.023 mg/l, Daphnia magna<br>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.

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### Ecological information on ingredients.

#### *Alkyl polyglucoside*

**Persistence and degradability** The substance is readily biodegradable.

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

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

**Biodegradation** Water - Degradation 100%: 28 day  
EU Method C.4-A (Determination of the "Ready" Biodegradability - Dissolved Organic Carbon (DOC) Die-Away Test)  
- Degradation  $\geq 77\%$ : 28 day  
(O<sub>2</sub> consumption)  
(OECD Test Guideline 301D)

#### *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

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

**Phototransformation** Half Life: 0.585 day

**Biodegradation** -  $\approx 4.5\%$ : 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.

#### *Alkyl polyglucoside*

**Bioaccumulative potential** Not determined: log Kow  $\leq 3$ . Bioaccumulation is unlikely.

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

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

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### *tetrasodium ethylene diamine tetraacetate*

**Bioaccumulative potential** Read-across data.

**Bioconcentration factor (BCF)** 1-2 L/kg

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

**Waste class** 20 01 29\* Detergents containing dangerous substances

### SECTION 14: Transport information

#### 14.1. UN number or ID number

**UN No. (ADR/RID)** 1760

**UN No. (IMDG)** 1760

**UN No. (ICAO)** 1760

**UN No. (ADN)** 1760

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** CORROSIVE LIQUID, N.O.S. (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)

## MOTOR CLEANER

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

**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  
**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).

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**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<sub>50</sub>: 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

**Key literature references and sources for data**

Source: European Chemicals Agency, <http://echa.europa.eu/>  
This SDS is prepared based on the information and documents received from product owner. CRAD or/and SDS author shall not be responsible for incorrect prepared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.

**Classification procedures**

Eye Dam. 1 - H318: Skin Corr. 1A - H314: : Calculation method.

**Revision comments**

This is the first issue.

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## MOTOR CLEANER

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### 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.

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.