

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## DISHWASHING GREEN (NORMAL)

|                  |               |              |   |
|------------------|---------------|--------------|---|
| Date of creation | 20. June 2017 | Revision no. |   |
| Date of revision |               | Version      | 1 |

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

**1.1 Product identifier**  
Substance / mixture

DISHWASHING GREEN (NORMAL)  
mixture

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Intended use of the mixture

Cleaning agent

Not recommended use of the mixture

The product should not be used in ways other than those referred in Section 1.

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer

Name or trade name  
Address

CHEMOTEX Děčín a.s.  
Děčín XXXII - Boletice nad Labem 63, Děčín, 407 11  
Czech Republic  
+420412709265  
+420412547200  
MiluseBolfikova@chemotex.cz

Phone  
Fax  
E-mail

#### Competent person responsible for the safety data sheet

Name  
E-mail

CHEMOTEX Děčín a.s.  
MiluseBolfikova@chemotex.cz

### 1.4 Emergency telephone number

National poisoning information centre UK, tel.: +44 844 892 0111.  
National Poisons Information Service Ireland, tel.: +353 1 809 2566.  
National poisoning information centre Scotland, tel.: 08454 242424 or 111.  
National Poisons Information Service Edinburgh, Royal Infirmary of Edinburgh, Little France Crescent, Edinburgh, EH16 4SA, tel.: +44 131 242 1383.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Eye Dam. 1, H318

Full text of all classifications and H-phrases is given in the section 16.

##### The most serious adverse effects on human health and the environment

Causes serious eye damage.

#### 2.2 Label elements

##### Hazard pictogram



##### Signal word

Danger

##### Hazardous substances

Benzenesulfonic acid, C10-13 alkyl derivative, sodium salt (INCI: Sodium Dodecylbenzene Sulfonate)  
Alcohol C12-C14, ethoxylated (INCI: LAURETH-7)

##### Standard hazardous statements

H318 Causes serious eye damage.

##### Instructions for safe handling

P102 Keep out of reach of children.  
P280 Wear protective gloves.

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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 to in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Chemical characterization

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers  | Name of the substance  | Content in % weight | Classification according to Regulation (EC) No 1272/2008           | Note. |
|---|--|---------------------|--|-------|
| CAS: 68891-38-3<br>EC: 500-234-8<br>Registration number:<br>01-2119488639-16      | Alcohols, C12-14, ethoxylated, sulfates, sodium salts  | <5                  | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 | 1     |
| CAS: 25155-30-0<br>EC: 246-680-4<br>Registration number:<br>01-2120088038-51-0000 | Benzenesulfonic acid, C10-13 alkyl derivative, sodium salt (INCI: Sodium Dodecylbenzene Sulfonate) | <5                  | Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318      |       |
| CAS: 68439-50-9<br>EC: 500-213-3  | Alcohol C12-C14, ethoxylated (INCI: LAURETH-7)   | <5                  | Eye Dam. 1, H318<br>Aquatic Acute 1, H400                          |       |

#### Notes

1 The substance with a specific concentration limit

Full text of all classifications and H-phrases is given in the section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this Safety Data Sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

#### Inhalation

Terminate the exposure immediately; move the affected person to fresh air.

#### Skin contact

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

#### Eye contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

#### Ingestion

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances. Rinse out the mouth with clean water. In the event of issues, find medical help.

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

#### Inhalation

Not expected.

#### Skin contact

Not expected.

#### Eye contact

Causes serious eye damage.

#### Ingestion

Corrosion of the digestion system can occur. Irritation, nausea.

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

Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

#### Unsuitable extinguishing media

water - full jet

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

### 5.3 Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

### 6.2 Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

### 6.3 Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### 6.4 Reference to other sections

See the Section 7, 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

### 7.3 Specific end use(s)

not available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

none

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### 8.2 Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer.

#### Respiratory protection

Mask with a filter in a poorly ventilated environment.

#### Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |                            |
|--|----------------------------|
| Appearance                                   | liquid                     |
| Physical state                               | liquid at 20°C             |
| color  | green                      |
| Odour  | according to fragrance     |
| Odour threshold                              | data not available         |
| pH   | 6-8 (3% solution at 23 °C) |
| Melting point/freezing point                 | 0 °C                       |
| Initial boiling point and boiling range      | 100 °C                     |
| Flash point                                  | >100 °C                    |
| Evaporation rate                             | data not available         |
| Flammability (solid, gas)                    | data not available         |
| Upper/lower flammability or explosive limits |                            |
| flammability limits                          | data not available         |
| explosive limits                             | data not available         |
| Vapour pressure                              | data not available         |
| Vapour density                               | data not available         |
| Relative density                             | 1.03 (water=1)             |
| Solubility(ies)                              |                            |
| solubility in water                          | miscible                   |
| solubility in fats                           | data not available         |
| Partition coefficient: n-octanol/water       | data not available         |
| Auto-ignition temperature                    | data not available         |
| Decomposition temperature                    | data not available         |
| Viscosity                                    | data not available         |
| Explosive properties                         | data not available         |
| Oxidising properties                         | It is not oxidising.       |

### 9.2 Other information

|                           |                        |
|---------------------------|------------------------|
| Density                   | 1.03 g/cm <sup>3</sup> |
| auto-ignition temperature | data not available     |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

not available

### 10.2 Chemical stability

The product is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Unknown.

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### 10.4 Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5 Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6 Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

No toxicological data is available for the mixture.

#### Acute toxicity

Based on available data the classification criteria are not met.

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

| Route of exposure | Parameter | Value       | Time of exposure | Species                 | Sex |
|-------------------|-----------|-------------|------------------|-------------------------|-----|
| Oral              | LD 50     | 4100 mg/kg  |                  | Rat (Rattus norvegicus) |     |
| Dermal            | LD 50     | >2000 mg/kg |                  | Rat (Rattus norvegicus) |     |

Benzenesulfonic acid, C10-13 alkyl derivative, sodium salt (INCI: Sodium Dodecylbenzene Sulfonate)

| Route of exposure | Parameter | Value       | Time of exposure | Species | Sex |
|-------------------|-----------|-------------|------------------|---------|-----|
| Oral              | LD 50     | 1080 mg/kg  |                  | Rat     |     |
| Dermal            | LD 50     | >2000 mg/kg |                  | Rat     |     |

#### Skin corrosion/irritation

Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data the classification criteria are not met.

#### Carcinogenicity

Based on available data the classification criteria are not met.

#### Reproductive toxicity

Based on available data the classification criteria are not met.

#### Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

#### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

#### Aspiration hazard

Based on available data the classification criteria are not met.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Acute toxicity

Data for the mixture are not available.

#### 12.2 Persistence and degradability

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

#### 12.3 Bioaccumulative potential

Not available.

#### 12.4 Mobility in soil

Not available.

#### 12.5 Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

#### 12.6 Other adverse effects

Not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

##### Legislation of waste

Council Directive 75/442/EEC on waste, as amended. Decree No. 383/2001 Coll., on details regarding waste handling as amended. Decree No. 93/2016 Coll., (waste catalogue) as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

### SECTION 14: Transport information

#### 14.1 UN number

Not subject to ADR.

#### 14.2 UN proper shipping name

not available

#### 14.3 Transport hazard class(es)

not available

#### 14.4 Packing group

not available

#### 14.5 Environmental hazards

not available

#### 14.6 Special precautions for user

Reference in the Sections 4 to 8.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not available

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### SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act). The Act No. 258/2000 Coll., on Protection of Public Health as amended. Decree No. 361/2007 Coll., determining conditions of occupational health protection as amended. Decree No. 415/2012 Coll., on the permissible level of pollution and its determination and implementation of certain other provisions of the Air Protection Act as amended. The Act No. 185/2001 Coll., on Waste and the Amendment of Some Other Acts as amended. The Act No. 201/2012 Coll., on the Protection of Atmosphere – Clean Air Act as amended. Decree No. 80/2014 Coll., amending the Decree No. 194/2001 Coll., laying down technical requirements for aerosol sprays as amended. Decree No. 432/2003 Coll., laying down conditions for assigning categories to individual jobs, limit values of indices from biological exposure tests, conditions for the sampling of biological materials for biological exposure and the particulars of the reports on work with asbestos and biological agents as amended.

#### 15.2 Chemical safety assessment

not available

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

|      |  |
|------|--|
| H302 | Harmful if swallowed.                              |
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H400 | Very toxic to aquatic life.                        |
| H412 | Harmful to aquatic life with long lasting effects. |

#### Guidelines for safe handling used in the safety data sheet

|                |  |
|----------------|--|
| P102           | Keep out of reach of children.   |
| P280           | Wear protective gloves.  |
| 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 to in accordance with local/regional/national/international regulations.                           |

#### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

#### Key to abbreviations and acronyms used in the safety data sheet

|        |   |
|--------|---|
| ADR    | European agreement concerning the international carriage of dangerous goods by road               |
| BCF    | Bioconcentration Factor   |
| CAS    | Chemical Abstracts Service  |
| CLP    | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| DNEL   | Derived no-effect level   |
| EC50   | Concentration of a substance when it is affected 50% of the population                            |
| EINECS | European Inventory of Existing Commercial Chemical Substances                                     |
| Ems    | Emergency plan  |
| ES     | Identification code for each substance listed in EINECS   |
| EU     | European Union  |
| IATA   | International Air Transport Association   |
| IBC    | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| IC50   | Concentration causing 50 % blockade   |
| ICAO   | International Civil Aviation Organization   |
| IMDG   | International Maritime Dangerous Goods Transport  |
| INCI   | International Nomenclature of Cosmetic Ingredients  |

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|         |  |
|---------|--|
| ISO     | International Organization for Standardization   |
| IUPAC   | International Union of Pure and Applied Chemistry  |
| LC50    | Lethal concentration of a substance in which it can be expected death of 50% of the population                     |
| LD50    | Lethal dose of a substance in which it can be expected death of 50% of the population                              |
| LOAEC   | Lowest observed adverse effect concentration   |
| LOAEL   | Lowest observed adverse effect level   |
| Log Kow | Octanol-water partition coefficient  |
| MARPOL  | International Convention for the Prevention of Pollution From Ships  |
| MFAG    | First Aid Manual   |
| NOAEC   | No observed adverse effect concentration   |
| NOAEL   | No observed adverse effect level   |
| NOEC    | No observed effect concentration   |
| NOEL    | No observed effect level   |
| OEL     | Occupational Exposure Limits   |
| PBT     | Persistent, Bioaccumulative and Toxic  |
| PEL     | Permissible Exposure Limit   |
| PNEC    | Predicted no-effect concentration  |
| ppm     | Parts per million  |
| REACH   | Registration, Evaluation, Authorisation and Restriction of chemicals (EP and Council Regulation (EC) No 1907/2006) |
| RID     | Agreement on the transport of dangerous goods by rail  |
| UN      | Four-figure identification number of the substance or article taken from the UN Model Regulations                  |
| UVCB    | Substances of unknown or variable composition, complex reaction products or biological materials                   |
| VOC     | Volatile organic compounds   |
| vPvB    | Very Persistent and very Bioaccumulative   |
| w/w     | Weight by weight   |

|                 |                                      |
|-----------------|--------------------------------------|
| Acute Tox.      | Acute toxicity                       |
| Aquatic Acute   | Hazardous to the aquatic environment |
| Aquatic Chronic | Hazardous to the aquatic environment |
| Eye Dam.        | Serious eye damage                   |
| Skin Irrit.     | Skin irritation                      |

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornyčová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.