

Drafted on the basis of the EU Regulation 1907/2006 (REACH)



SAFETY DATA SHEET

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

1.1. Product trade Name TG Mug Remover

Product number. TG 413

REACH registration

number Not usable

Other product identifiers

-

1.2. Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture Product for professional use Uses advised against - The full wording of any. The identified use categories are listed in point 16.

1.3. Details of the supplier of the safety data sheet Company name and address

TG Clean

Værkstedsvej 24A

4600 Køge

Contact person Thomas Gadegaard

Email tg@tg-clean.dk

SDS prepared it 16-12-2015 SDS Version 1.0

1.4. Emergency Contact the Gift Line at tel .: 82 12 12 12 (open 24 hours a day).

See section 4 on first aid.

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Skin Corr. 1B; H314

Eye Dam. 1; H318

Aquatic Acute 1; H400

The full text of the H-phrases is found in section 2.2.

2.2. Label elements

Hazard pictograms



Signal

Danger

Risk etc.

Causes severe skin burns and eye damage. (H314)

Very toxic to aquatic organisms. (H400)

Security

General If medical attention is needed, bring the container or label.

(P101).

Keep out of reach of children. (P102).

Prevention Do not inhale fog / vapor / smoke / spray. (P260).

Reaction IF ON SKIN (or hair): Remove contaminated clothing immediately

Remove /. Rinse / shower skin with water. (P303 + P361 + P353).

Storage Store under lock. (P405).

Disposal The contents / container should be disposed of in accordance with local waste regulations.

(P501).

Compulsory information

-

2.3. Other hazards

Other labeling

-

Other things

Sensible labeling. To be delivered in packaging with child-resistant closure if the product is sold at retail.

VOC

SECTION 3: Composition / information on ingredients

3.1 / 3.2. Substances / Mixtures

NAME: sodium hypochlorite

IDENTIFICATION NUMBERS: CAS No: 7681-52-9 EC No: 231-668-3 Index No: 017-011-00-1

CONTENTS: 5-10%

CLP CLASSIFICATION: Met. Corr. 1, STOT SE 3, Skin. Corr. 1B, Aquatic Acute 1

H290, H314, H335, H400, EUH031 (M-acute = 10)

(*) The full text of the H-phrases can be found in point 16. Occupational exposure limits are mentioned in point 8, if available.

Other information

Eye Cat. 1 Sum = $\sum (C_i / S (G) CL) = 1.76 - 2.64$

Skin Cat. 2 Sum = $\sum (C_i / S (G) CL) = 6.333 - 9.504$

N acute (CAT 1) Sum = $\sum (C_i / M (acute) i * 25) = 2.112 - 3.168$

detergent:

SECTION 4: First aid measures

4.1. Description of first aid measures In general.

In case of accident: Contact a doctor or emergency room - bring the label or this safety data sheet. The doctor can contact the Occupational and Environmental Medicine Clinic, Bispebjerg Hospital, tel. 35 31 60 60. At

If symptoms persist or if in doubt about the condition of the injured person, seek medical attention. Never give an unconscious person water or the like.

inhalation

Bring the person out into the fresh air and keep the person under control.

Skin

Contaminated clothing and shoes are removed. Skin that has been in contact with the material is thoroughly washed with water and

soap. Skin cleanser can be used. Do NOT use solvents or thinners.

eye Contact

Remove any contact lenses. Rinse eyes immediately with plenty of water (20-30 ° C) until irritation ceases and at least for 15 minutes. Be sure to flush under the upper and lower eyelids. Seek medical attention immediately.

Ingestion

Give the person plenty to drink and the person under supervision. If you feel sick: Contact your doctor immediately

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bring this safety data sheet or label from the product.

Do not induce vomiting unless directed to do so by your doctor. Lower your head so that if necessary, vomit will not running back into the mouth and throat.

Incineration

Not usable

4.2. Main symptoms and effects, both acute and delayed

Tissue-destroying effects: The product contains substances that are corrosive. If steam or aerosols

Inhaled, it can cause damage to the lungs and cause irritation and burning in the respiratory organs as well as coughing.

Corrosive substances cause irreversible eye damage. Etching the skin.

Irritative effects: The product contains substances which are irritating to the skin or eye contact or inhalation. Contact with irritants may result in more exposure to the contact area absorption of harmful substances such as allergens.

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

No special

Information to the doctor

Please bring this safety data sheet

SECTION 5: Firefighting

5.1. extinguishing Recommended: alcohol resistant foam, carbon dioxide, powders, water mist. Water jet should not be used as it can spread the fire.

5.2. Special hazards arising from the substance or mixture If the product is exposed to high temperatures, eg in the event of a fire, dangerous can form degradation products. These are: Halogenated compounds. Carbon. Some metal oxides. Fire will develop dense black smoke. Exposure to degradation products can pose a health hazard. Firefighters

should use suitable protective equipment. Cool closed containers exposed to fire with water. do not let Fire extinguishing water drains into sewers and streams.

5.3. Directions for firefighting Normal workwear and full respirator protection. By direct contact with the chemical can contact the chemical emergency response officer on telephone 45 90 60 00 (open 24 hours a day), with for further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, personal protective equipment and emergency procedures

Avoid direct contact with spilled material. Avoid breathing vapors from spilled material.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In case of spillage to the surroundings, contact the local environmental authorities.

Establish possibly waste collection bins / basins to prevent spillage to the surroundings.

6.3. Methods and equipment for containment and purification

Use sand, cat grit, sawdust or universal binder to collect liquids. Cleaning is done for as far as possible with detergents. Solvents should be avoided.

6.4. Reference to other points

See the "Disposal Conditions" section on waste management. See the section on "Exposure controls / personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Establish possibly waste collection bins / basins to prevent spillage to the surroundings. See the section

"Exposure controls / personal protection" for personal protection information. Avoid direct contact the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

No data available

7.3. Specific uses

The product should only be used for applications described in 1.2.

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SECTION 8: Exposure controls / personal protection

8.1. control parameters

limits

No data

DNEL / PNEC

No data available

8.2. exposure controls

No control required, provided the product is used normally.

General precautions

Exercise common industrial hygiene.

exposure scenarios

If there is an attachment to this safety data sheet, they must be listed here in the exposure scenarios followed.

exposure limit

There are no exposure limits for ingredients in the product.

Technical measures

Exercise caution when using the product. Avoid inhalation of gas and dust.

Hygiene measures

At each break in use of the product and at the end of work exposed areas of the body

Wash. Always wash hands, forearms and face.

Environmental exposure controls

When working with the product, make sure that damming material is in the immediate vicinity. Use

if possible waste bins while working.

Personal protective equipment

In general

Use only CE marked protective equipment.

The airways

No special requirements.

Skin and body

Special work clothes must be worn. Use if necessary. protective suit for prolonged work with the product.

Hands

Recommended: Household gloves. . Breakthrough time:> 480 min. (Class 6)

Eyes

Wear face protection. Alternatively, glasses with side shields can be used.



SECTION 9: Physico-chemical properties

9.1. Information on basic physical and chemical properties

Physical state Color Odor pH Viscosity Density

(G / cm³)

Liquid - - 11 - 1.11

Condition change and fumes

Melting point (° C) Boiling point (° C) Vapor pressure (mm Hg)

- - -

Fire and explosion hazard data

Flash point (° C) Flammability (° C) Self-ignition (° C)

- - -

Explosion limits (Vol%) Oxidizing properties

- -

Solubility

Solubility in water n-octanol / water coefficient

Soluble -

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9.2. Other information

Solubility in fat Other

- N / A

SECTION 10: Stability and reactivity

10.1. reactivity

No data

10.2. Chemical stability

The product is stable under the conditions specified in the section "Handling and storage".

10.3. Risk of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to heating (eg solar radiation) as overpressure may develop.

10.5. Materials to avoid

Strong acids, strong bases, strong oxidizing agents and strong reducing agents

10.6. Hazardous decomposition products

The product is not degraded when used for applications listed in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity Substance Art Test Route of Exposure Result sodium

hypochlorite sodium hypochlorite Rabbit Steering wheel LD50 LC50 dermal inhalation > 20000 mg / kg > 10.5 mg / L

Skin corrosion / irritation Causes severe skin burns and eye damage. Data on substance: sodium hypochlorite Test:

OECD Guideline 404 Organism: Rabbit Result: Severe skin irritation Serious eye damage / eye irritation Causes serious

eye damage. Respiratory or skin sensitization No data available Germ cell Data on substance: sodium hypochlorite No

adverse effect observed. Carcinogenic properties No data available Reproductive No data available Simple STOT

exposure No data available Repeated STOT exposures No data available Aspiration No data available long term effects

Tissue-destroying effects: The product contains substances that are corrosive. If steam or aerosols Inhaled, it can

cause damage to the lungs and cause irritation and burning in the respiratory organs as well as coughing. Corrosive

substances cause irreversible eye damage. Etching the skin. Irritative effects: The product contains substances which are irritating to the skin or eye contact or inhalation. Contact with irritants may result in the contact area becoming more exposed to absorption harmful substances such as allergens.

SECTION 12: Ecological information

12.1. Toksicitet Substans Art Test Testens varighed Resultat natriumhypochlorit natriumhypochlorit Fish Daphnia LC50
EC50 96 h 48 h 0,03-0,6 mg/l 0,141 mg/l

12.2. Persistens og nedbrydelighed Substans Nedbrydelighed i vandmiljøet Test Resultat Ingen data tilgængelige

12.3. Bioakkumuleringspotentiale Substans Potentiel bioakkumulerbar LogPow BCF natriumhypochlorit Nej Ingen data
Ingen data Substance Potentially bioaccumulable LogPow BCF

sodium hypochlorite No No data

12.4. Mobility in soil

No data

12.5. Results of PBT and vPvB assessment

No data

12.6. Other adverse effects

The product contains ecotoxic substances which may have adverse effects on aquatic organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is subject to the regulations on hazardous waste.

Trash

EAK Code Chemical Waste Group:

20 01 15 H

Special labeling

-

Contaminated packaging

Packaging containing residues of the product is disposed of under the same conditions as the product.

SECTION 14: Transport information The product is covered by the Dangerous Goods Conventions. 14.1 - 14.4 ADR / RID

14.1. UN number 1791

14.2. UN Shipping Name HYPOCHLORITE SOLUTION

14.3. Transport hazard class (s) 8

14.4. Packing Group III Notes - Tunnel Code - IMDG UN-no. 1791 Proper Shipping Name HYPOCHLORITE SOLUTION Class 8 PG * III EmS F-A, S-B MP ** Yes Hazardous constituent - IATA / ICAO UN-no. Proper Shipping Name Class PG *

14.5. Environmental hazards Drafted on the basis of the EU Regulation 1907/2006 (REACH) TG Mug Remover 7/8 –

14.6. Special precautions for user –

14.7. Bulk transport in accordance with Annex II of MARPOL 73/78 and the IBC Code No data (*) Packing group (**) Marine pollutant

SECTION 15: Regulatory information

15.1. Special provisions / specific legislation on the substance or mixture with regard to safety, health and environment Restrictions The product must not be used commercially by young people under 18 years of age. See Executive Order no. 239 of 6 April 2005 on young people's work exceptions. Warning: Do not use in conjunction with other products as hazardous gases (chlorine) can be released. Special education requirements - Other things - sources Labor Inspection Order No. 301 of 13 May 1993 on the establishment of code numbers. Executive Order No. 21 of 16 January 1996 on the Chemicals and Products Act. The Danish Working Environment Authority's Executive Order No. 292 of 26 April 2001 on work on substances and materials (chemical agents). Executive Order No. 559 of 04/07/2002 on special duties for manufacturers, suppliers and importers, etc. of substances and materials under the Working Environment Act. The Danish Working Environment Authority's Executive Order 239 of 6 April 2005 on young people's work. The Danish Environmental Protection Agency's Order No. 1049 of 27 October 2005 on the limitation of VOCs. AT

Guide C.0.1 August 2007: Limit values for substances and materials. BEK No. 986 of 11/10/2012 EU Regulation 1907/2006 (REACH). EU Regulation 1272/2008 (CLP). Executive Order No. 48 of 13/01/2010 on waste. EU Regulation 453/2010 (Update to CLP).

15.2. chemical safety No

SECTION 16: Other information « The full wording of H-phrases discussed in Section 3

H290 - Can etch metals. H314 - Causes severe skin burns and eye damage.

H335 - May cause respiratory irritation.

H400 - Very toxic to aquatic organisms.

EUH031 - Generates toxic gas through contact with acid. The full text of identified uses referred to in paragraph 1 -

Other symbols mentioned in paragraph 2 - Other things It is recommended to provide this safety sheet to the actual user of the product. The information mentioned cannot be used as a product specification. The information in this safety data sheet applies only to the product mentioned in section 1 and is not necessarily applicable when used with other products. Changes in relation to the last significant revision (first digit of SDS Version, see section 1) of this the safety data sheet is marked with a blue triangle. The safety data sheet is validated by Drafted on the basis of the EU Regulation 1907/2006 (REACH) TG Mug Remover 8/8 Rikke Hunskjær Date of last significant change (First digit in SDS version) - Date of last minor change (Last digit in SDS version)