

SAFETY DATA SHEET

(according to Regulation (EC) No. 1907/2006)

Version: 1 Revision Date: 15.06.2020

DESCALE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name: *Descale*
Product Code: *DESC01*

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

This product is primarily used in PC35: Washing and cleaning products (including solvent based products).

1.3 Details of the supplier of the safety data sheet

Company: **CHAUCER SOLUTIONS LIMITED**
Address: *Beodric House
5 Boldero Road
Bury St. Edmunds
Suffolk
IP32 7BS
United Kingdom*
Telephone: *+ 44 (0) 1767 677445*
E-mail: *admin@chaucersolutions.co.uk*

1.4 Emergency telephone number

+ 44 (0) 1767 677445 (Only available during office hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (according to Regulation (EC) No. 1272/2008):

Eye Damage Category 1 H318: Causes serious eye damage

2.2 Label elements

REGULATION (EC) No. 1272/2008

Pictogram(s):



Signal Word: **DANGER**

Hazard Statements: H318: Causes serious eye damage

Precautionary Statements:

Prevention: P280: *Wear protective gloves/protective clothing/ eye protection/ face protection*

Response: P305+P351+P338:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: *Immediately call a POISON CENTER or doctor/physician.*

2.3 Other Hazards *None known*

3. COMPOSITION OF/INFORMATION ABOUT THE COMPONENTS

3.1 Substances

3.2 Mixtures

Chemical Name	CAS-No. EINECS-No.	Classification REGULATION (EC) No 1272/2008	Concentration [%]
<i>Sodium carbonate</i>	<i>497-19-8 207-838-8</i>	<i>Eye Irrit. Cat.2: H319</i>	<i>30 - 50</i>
<i>Sodium diacetate</i>	<i>126-96-5 -</i>	<i>Eye Irrit. Cat.2: H319; Eye Dam. Cat.1: H318</i>	<i>30 - 50</i>
<i>Alcohols C9-11, ethoxylated</i>	<i>- -</i>	<i>Acute Tox. Cat.4: H302; Eye Dam. Cat.1: H318</i>	<i>1 - 10</i>

For the full text of the H - statements mentioned in this section, see section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: *Take the Hazard and Precautionary Statements (section 2) into account. Show this Safety Data Sheet to the physician in attendance if required.*

Inhalation: *There may be irritation of the throat with a feeling of tightness in the chest.*

Skin contact: *There may be irritation and redness at the site of contact.*

Eye contact: *There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.*

Ingestion: *There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.*

4.2 Most important symptoms and effects, both acute and delayed

No additional information

4.3 Indication of any immediate medical attention and special treatment needed

Provide physician with a copy of this Safety Data Sheet.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water spray, carbon dioxide, dry chemical, foam.

Extinguishing media which shall not be used for safety reasons:

Do not use a high powered water jet directly on burning material.

5.2 Special Hazards arising from the substance or mixture

Combustible liquid; toxic gases may be released.

5.3 Advice for Fire Fighters

Special protective equipment for fire fighting:

Full protective suit.

Self-contained breathing apparatus (EN 133)

Specific fire fighting methods:

Do not use a high powered water jet directly on burning material.

Do not inhale fumes.

Evacuate personnel to a safe area.

Cool containers / tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition, and keep away from flames and hot surfaces. Avoid inhalation and contact with skin and eyes. Wear appropriate personal protective equipment. A self contained breathing apparatus is recommended in case of a major spill. Collect Spillage.

6.2 Environmental precautions

Keep away from drains, surface and ground water and soil.

6.3 Methods for cleaning or taking up

Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

7. HANDLING AND STORAGE

7.1 Handling

Advice on safe handling:

Avoid contact with the eyes, skin and clothing. Avoid excessive inhalation of concentrated vapours. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each working period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapour concentrations in the work place air. Where chemicals are openly handled, access should be restricted to properly trained employees.

Keep all heated processes at the lowest necessary temperature to minimize emissions of volatile chemicals into the air.

Advice on protection against fire and explosion:

Keep away from ignition sources and naked flame.

7.2 Storage

Requirements for storage areas and containers:

Store in a cool, dry, ventilated area away from heat sources. Keep containers upright and tightly closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

None

8.2 Personal protective equipment

Respiratory protection:

Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation including places where this material is openly weighed or measured.

In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation, etc. are sufficient.

If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used:

- a) while engineering controls and appropriate safe work practices and/or procedures are being implemented; or*
- b) during short term maintenance procedures when engineering controls are not in normal operation or are not sufficient; or*
- c) if normal operational workplace vapour concentration in the air is increased due to heat;*
- d) during emergencies; or*
- e) if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit.*

Hand protection: *Avoid skin contact. Use chemically resistant gloves.*

Skin and body protection:

Avoid contact with the skin. Wear a protective suit. Wash all contaminated clothing thoroughly before re-use.

Eye protection: *Avoid contact with the eyes. Use tight-fitting goggles, face shield or safety glasses with side shields.*

Hygiene Measures:

Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protection equipment. Wash hands before breaks and at the end of the work day. Do not eat, drink or smoke whilst using or handling the product.

To the extent deemed appropriate, implement pre placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung function for workers who are regularly exposed to this material.

To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air or determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.

Protective measures:

The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and / or risks that may occur during use.

General Advice: *Do not allow uncontrolled discharge of the product into the environment.*

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Physical state: *Solid*
Colour: *Off-white*

Odour: *Characteristic*

9.2 Safety data

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

This product is not considered reactive under normal working conditions.

10.2 Chemical Stability

This product is stable at room temperature.

10.3 Possibility of hazardous reactions

This product may react with strong oxidizing agents, acids and / or alkalis.

10.4 Conditions to avoid

Keep away from heat, sparks and open flame.

10.5 Incompatible materials

Strong oxidizing agents acids and alkalis.

10.6 Hazardous decomposition products

Toxic Gas (Carbon Monoxide and Carbon Dioxide) and unidentified organic compounds may be formed during combustion).

11. TOXICOLOGICAL INFORMATION

11.1 Acute Toxicity

Acute oral toxicity:

Sodium Carbonate (CAS 497-19-8)

LD50 (mouse) 6600 mg/kg

LD50 (rat) 4090 mg/kg

Acute inhalation toxicity:

No data available

Acute dermal toxicity:

Acute dermal toxicity (other routes of administration):

No data available.

Aspiration toxicity:

No data available.

11.2 Skin corrosion/irritation

Skin irritation: *No data available*

11.3 Serious eye damage/eye irritation

Eye irritation: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

11.4 Respiratory or skin sensitization

Sensitisation: *No data available*

11.5 Aspiration hazard:

Sensitisation: *No data available*

11.6 Repeated dose toxicity

Repeated dose toxicity:
No data available.

11.7 STOT

STOT – single exposure:

STOT – repeated exposure:
No data available.

11.8 Carcinogenicity

Carcinogenicity: *No data available.*

11.9 Mutagenicity

Genotoxicity in vitro:
No data available.

Genotoxicity in vivo:
No data available.

11.10 Reproductive toxicity

Reproductive toxicity:
No data available.

Developmental toxicity/Teratogenicity:
No data available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

Aquatic Compartment (including sediment)

Acute Fish Toxicity:

Aquatic Invertebrate Toxicity:

12.2 Persistence and degradability

Biodegradability: *Biodegradable*

12.3 Bioaccumulation

Partition coefficient (n-octanol/water):
No data available.

12.4 Mobility

Known distribution to environmental compartments:
No data available.

12.5 Other adverse effects

Environmental assessment:

Based on available data the product is not classified as dangerous for the environment, or toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: *Dispose of according to local regulations. Do NOT dispose of into drainage systems and into the environment.*

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

14.1 ADR

Not classified as hazardous for transport according to current regulations.

14.2 RID

Not classified as hazardous for transport according to current regulations.

14.3 IATA

Not classified as hazardous for transport according to current regulations.

14.4 IMDG

Not classified as hazardous for transport according to current regulations.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to regularly check their validity.

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

Full text of H – Statements referred to under sections 2 and 3

H302: Harmful if swallowed

H318: Causes serious eye damage

H319: Causes serious eye irritation

Full text of P – Statements referred to under sections 2 and 3

P280: Wear protective gloves/protective clothing/ eye protection/ face protection

P305+P351+P338:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

Further information:

According to Regulation (EC) No. 1907/2006 the information in this safety data sheet is based on the properties of the material known to Chaucer Solutions Ltd at the time the data sheet was issued. The Safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. The information hereon is reliable to the best of our knowledge. However, the recommendations or suggestions hereon shall not be construed as a warranty or representation as to the results, safety and efficacy. Users should always make their own evaluations and tests suitable for their particular needs. We cannot be held liable for any loss or damage arising from the use of the information hereon. This document is not intended for quality assurance purposes.

- End of Safety Data Sheet -