

Marble Cleaner

SECTION 1:

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier: Alfix Marble Cleaner

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Used as cleaning agent.

1.3 Details of the supplier of the safety data sheet:

Alfix A/S
H.C. Ørstedsvej 11-13
DK-6000 Kolding
Tel.: +45 75 52 90 11
Fax: +45 75 50 40 11
e-mail: alfix@alfix.dk
Contact person: Allan Nielsen / Frank Pingel

1.4 Emergency telephone number

+45 75 52 90 11 (Alfix)

SECTION 2:

Hazards identification

2.1 Classification of the substance or mixture:

According to CLP (1272/2008)

Eye Irr. 2; H319: Causes serious eye irritation.

2.2 Label elements

Labelling according to CLP (1272/2008)



Signal Word: Warning.

Causes serious eye irritation. (H319)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

If eye irritation persists: Get medical advice/attention. (P337+P313)

Keep out of reach of children. (P102)

Other labelling:

-

2.3 Other hazards:

None known.

PBT/vPvB: The substances are not PBT/vPvB according to the criteria in Annex XIII.

SECTION 3:

Composition/information on ingredients

3.1 Substances: -
Mixtures:

Substances: - Mixtures:	CAS-No.	EC-No.	Index-No.	Content-%	REACH reg.No	Classification
Trisodium Citrate, Dihydrate	6132-04-3	-	-	5-10 %	-	Eye Irrit 2, H319.
Sodium Cumen Sulfonate	28348-53-0	248-983-7	-	5-10 %	-	
Sodium Carbonate	497-19-8	207-838-8	011-005-00-2	3-5 %	-	
Paraffin oils chlorosulfonated, saponified	68188-18-1	269-144-1	-	1-3 %	-	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
alpha.-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene, sulfate,sodium,salt	68585-34-2	500-223-8	-	1-3 %	-	STOT SE 2, H319 Eye Irrit 2 ; H335
Alanine, N,N-bis(carboxymethyl)-, trisodium salt	164462-16-2			< 1 %	01-0000016977-53	Eye Irrit 2 ; H319
Sodium Hydroxide	1310-73-2	215-185-5	011-002-00-6	< 0,01 %		Acute Tox. 4 ; H302 Eye Dam. 1 ; H318

CLP*: Regulation (EC) No 1272/2008 of the European Parliament and of the Council
For the full text of H-phrases see section 16.

**SECTION 4:
First aid measures****4.1 Description of first aid measures:****Inhalation:**

Bring the injured to fresh air. **Mild cases:** Keep the injured in rest under supervision. In case of discomfort: Contact a doctor.

Severe cases: Move the unconscious person into recovery position and keep warm with head kept low. If breathing has stopped, begin artificial respiration. Seek medical advice or call an ambulance immediately.

Skin contact:

Remove contaminated clothing. Wash then the skin carefully with water and soap. Use suitable lotion to moisturize skin. If irritation persists, seek medical advice.

Eye contact:

Rinse wide opened eye immediately with water or physiological saltwater for at least 15 minutes. Remove contact lenses if any. If irritation persists or recurs seek medical advice.

Ingestion:

Immediately rinse mouth carefully and drink plenty of water. Do not induce vomiting. Drink water or milk and seek medical advice.

immediately. If it is not possible to get immediately medical attention: Do not induce vomiting. Keep the head low to avoid the content from the stomach to reach the lungs. Seek medical advice.

Burn:

Not relevant. Product is not flammable.

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

No further information available.

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

Unconsciousness: Seek medical advice or call an ambulance immediately. Show this Material Safety Data Sheet to the doctor or at the emergency room.

**SECTION 5:
Firefighting measures****5.1 Extinguishing media:**

Carbon dioxide, alcohol resistant foam or powder. Do not use water fog or water spray.

5.2 Special hazards arising from the substance or mixture:

Product is not flammable. During a fire, harmful smoke will be developed.

5.3 Advice for firefighters:

Remove container if possible, or cool with water. Use breathing apparatus.

**SECTION 6:
Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Personal equipment: See section 8. Ventilate well.

6.2 Environmental precautions:

Prevent access to drains, sewers, waterways and soil. See section 12.

6.3 Methods and material for containment and clearing up:

Absorb with liquid-binding material (sand, sawdust). Rinse carefully with water. Disposal: See section 13.

6.4 References to other sections:

See above.

**SECTION 7:
Handling and storage****7.1 Precautions for safe handling:**

Avoid contact with skin and eyes. Wash immediately when skin is contaminated. Access to running water and eye rinse.

7.2 Conditions for safe storage, including any incompatibilities:

Keep only in the original container, tightly closed. Store in a cool, well ventilated, dry place.

Keep away from food, drinks and animal feed.

7.3 Specific end use(s):

See use of the substance in section 1.

**SECTION 8:
Exposure controls/personal protection****8.1 Control parameters:**

None.

DNEL / PNEC

DNEL (Paraffin oils chlorosulfonated, saponified): 10 mg/m³

Exposure: Inhalation

DNEL (Paraffin oils chlorosulfonated, saponified): 17 mg/kg

Exposure: Dermal

DNEL (Paraffin oils chlorosulfonated, saponified): 10 mg/kg

Exposure: Dermal

PNEC (Paraffin oils chlorosulfonated, saponified): 0,02 mg/kg

Exposure: Soil

PNEC (Paraffin oils chlorosulfonated, saponified): 8.1 mg/L

Exposure: Sewage treatment plants

PNEC (Paraffin oils chlorosulfonated, saponified): 0.17 mg/kg

Exposure: Fresh water sediment

PNEC (Paraffin oils chlorosulfonated, saponified): 0,017 mg/kg

Exposure: Sea water sediment

PNEC (Paraffin oils chlorosulfonated, saponified): 0.2 µg/L

Exposure: Sea water
PNEC (Paraffin oils chlorosulfonated, saponified): 20 µg/L
Exposure: Fresh water

8.2 Exposure controls:

Appropriate engineering controls:
None.

8.3 Individual protection measures, such as personal protective equipment:

Respiratory protection: Not required.

Skin protection: Use protection gloves of e.g. PVC, neoprene or vinyl. There is no time for glove penetration, therefore change gloves, when it is contaminated.

Eye protection: Use eye protection to avoid the product getting into the eyes

8.4 Environmental exposure controls:

Disposal in accordance with local authority requirements. See section 13.

SECTION 9:**Physical and chemical properties****9.1 Information on basic physical and chemical properties:**

Appearance: Liquid.

Odour: -

Odour threshold: -

pH: 10.5-11

Melting point/freezing point: -

Initial boiling point and boiling range: -

Flash point:-

Evaporation rate: -

Flammability (solid, gas): -

Upper/lower flammability or explosive limits: -

Vapour pressure: -

Vapour density: -

Relative density: 1.13 g/cm³

Solubility(ies): Soluble

Partition coefficient: n-octanol/water: -

Auto-ignition temperature: -

Decomposition temperature: -

Viscosity: -

Explosive properties: -

Oxidising properties: -

9.2 Other information: -**SECTION 10:****Stability and reactivity****10.1 Reactivity:**

Stable under normal condition

10.2 Chemical stability:

Stable under recommended storing.

10.3 Possibility of hazardous reactions:

None.

10.4 Conditions to avoid:

None.

10.5 Incompatible materials:

None.

10.6 Hazardous decomposition products:

None.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Substance	Species	Test	Exposure	Result
Alanine, N,N-bis(carboxymethyl)-, trinitrium salt	Rat	LD50	Oral	> 2000 mg/kg
Alanine, N,N-bis(carboxymethyl)-, trinitrium salt	Rat	LD50	Dermal	> 2000 mg/kg
alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt	Rat	LD50	Oral	> 2000 mg/kg
Paraffin oils chlorosulfonated, saponified	Rat	LD50	Oral	1271 mg/kg
Paraffin oils chlorosulfonated, saponified	Rat	LD50	Dermal	> 5000 mg/kg
Natriumcarbonat	Rat	LD50	Inhalation	2.3 mg/l/2h
Natriumcarbonat	Rat	LD50	Oral	4090 mg/kg
Natriumcume nsulfonat	Rat	LD50	Oral	7000 mg/kg

Information on likely routes of exposure: Through ingestion, inhalation and skin exposure.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:

None known.

Skin contact:

Extended contact may cause skin irritation.

Eye contact:

Can in consequence cause eye irritation with pain and redness.

Ingestion:

Unlikely however if ingested it will give irritation. May cause nausea, discomfort and vomiting

Repeated and immediate effects as well as chronic effects from short and long time exposure:

None known.

SECTION 12: Ecological information

12.1 Toxicity:

Substance	Species	Test	Duration	Result
Alanine, N,N-bis(carboxymethyl)-, trinitrium salt	Fisk	LC50	96h	> 200 mg/l
Alanine, N,N-bis(carboxymethyl)-, trinitrium salt	Daphnier	EC50	48h	> 200 mg/l
Alanine, N,N-bis(carboxymethyl)-, trinitrium salt	Alger	EC50	72h	> 200 mg/l
alpha,-Alkyl,C10-16,omega,-hydroxypoly,oxyethylene,sulfate,sodium,salt	Fisk	LC50	96h	> 1mg/l

Paraffin oils chlorosulfonat ed, saponified	Daphnier	EC50	48h	4,72 mg/l
Paraffin oils chlorosulfonat ed, saponified	Alger	IC50	72h	246,89 mg/l
Paraffin oils chlorosulfonat ed, saponified	Fisk	LC50	96h	4,16 mg/l
Natriumcarbo nat	Fisk	LC50	96h	300 mg/l
Natriumcume nsulfonat	Daphnier	EC50	48h	265 mg/l

12.2 Persistence and degradability

Biodegradability as determined by the OECD screening: 82%

12.3 Bioaccumulative potential:

Alanine, N,N-bis(carboxymethyl)-, trinitrium salt: Nej. LogPow -4, BCF: -

Paraffin oils chlorosulfonated, saponified: Nej. LogPow: 2.27. BCF: -

12.4 Mobility in soil:

Alanine, N,N-bis(carboxymethyl)...: Log Koc= -3.0892, LogPow ().

Paraffin oils chlorosulfonated, saponified Log Koc= 1.876013, LogPow (Potential høj mobilitet.).

12.5 Results of PBT and vPvB assessment:

The substances are not PBT/vPvB according to the criteria in Annex XIII.

12.6 Other adverse effects:

By major spill, pH could be increased with subsequent risk of fish dead.

**SECTION 13:
Disposal considerations****13.1 Waste treatment methods:**

Disposal of in accordance with local authority requirements.

13.2 EWC-code:

200129

**SECTION 14:
Transport information**

The product is not considered as dangerous goods.

14.1 UN-number: -**14.2 UN proper shipping name: -****14.3 Transport hazard class(es): -****14.4 Packing group: -****14.5 Environmental hazards:** None according to the rules of transport**14.6 Special precautions for user:** None**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not relevant**SECTION 15:
Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

No Special education/training requirements, but knowledge to of this Material Safety Data Sheet ought to be a requirement.

EU-directive 2004/42/EF

There can be local authority requirements.

15.2 Chemical safety assessment:

No CSA

**SECTION 16:
Other information**

The given R-phrased and H-phrased in chapter 2 and 3 are to read as follows:

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation

H319: Causes serious eye irritation