

SECTION 1:**Identification of the substance/mixture and of the company/undertaking****Deep Cleaner****1.1 Product identifier:** Alfix Deep 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)

Skin Corr. 1; H314

Eye Dam. 1; H318

2.2 Label elementsLabelling according to CLP (1272/2008)

Signal Word: Danger.

Causes severe skin burns and eye damage. (H314)

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

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. (P301+330+331)

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower. (P303+361+353)

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. (P304+340)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+351+338)

Wash contaminated clothing before reuse. (P363)

Store locked up and keep out of reach of children. (P405+102)

Contains (R)-p-mentha-1,8-dien. May produce an allergic reaction. (EUH208)

Contains:

5 – 15% Phosphates

< 5% Nonoionic surfactants, hydrotop, pigments and parfume

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
Tetrapotassi umphyrophos phate	7320-34-5	230-785-7	-	5 – 10 %	-	Eye Irrit 2, H319.
ISOTRIDECA NOL, ETHOXYLATE D (>5-20 EO)	69011-36-5	Polymer	-	1-3%	02- 2119549526 -31-0000	Eye Dam. 1 ; H318 Acute Tox. 4 ; H302
Sodiumcum enesulfonat e	28348-53-0	248-983-7		3-5 %	-	Eye Irrit 2, H319.
2-(2- butoxyethox y)ethanol	112-34-5	203-961-6	603-096-00- 8	3-5 %	01- 2119475104 -44-0000	Eye Irrit 2, H319.
2- phenoxyeth anol	122-99-6	204-589-7	603-098-00- 9	< 5 %	01- 2119488943 -21-0000	Acute Tox. 4 ; H302 Eye Irr. 2 ; H319.
Ammonium hydroxide solution	1336-21-6	215-647-6	007-001-01- 2	< 0,1 %	-	STOT SE 3 ; H335 Skin Corr. 1B ; H314 Aquatic Acute 1 ; H400
(R)-p- mentha-1,8- dien	5989-27-5	227-813-5	601-029-00- 7	< 1 %	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410

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 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 cleaning 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:**

2-(2-butoxyethoxy)etanol: 10 ppm / 67.5 mg/m³

2-aminoethanol: 1 ppm / 2.5 mg/m³

Ammoniumhydroxide: 20 ppm / 14 mg/m³

DNEL: No CSR

PNEC: No CSR

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: 12

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: 1.06 g/cm³

Solubility(ies): Soluble

Partition coefficient: n-octanol/water: -

Auto-ignition temperature: -

Decomposition temperature: -

Viscosity: -

Explosive properties: -

Oxidising properties: -



**SECTION 10:
Stability and reactivity**

9.2 Other information: -

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:

Substances	Species	Test	Exposure	Result
ISOTRIDEKANOL, ETHOXYLATED (>5-20 EO)	Rat	LD50	Oral	> 500-2000 mg/kg
ISOTRIDEKANOL, ETHOXYLATED (>5-20 EO)	Rat	LD50	Dermal	> 4000 mg/kg
2-phenoxyethanol	Rat	LD50	Oral	5000 mg/kg
Sodiumcumenesulfonate	Rat	LD50	Dermal	7000 mg/kg
2-(2-butoxyethoxy)ethanol	Rat	LD50	Oral	5560 mg/kg
Tetrapotassiumpyrophosphat	Rat	LD50	Dermal	> 2000 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:

Exposure may cause cough, shortness of breath and/or headache and / or nausea.

Skin contact:

Extended contact may cause skin irritation.

Eye contact:

Can in consequence cause eye damage or 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:

Substances	Species	Test	Exposure	Result
(R)-p-mentha-1,8-dien	Dafnier	EC50	48 h	0.73 mg/l
ISOTRIDEKANOL, ETHOXYLATED (>5-20 EO)	Fish	LC50	96 h	10 - 100 mg/L
ISOTRIDEKANOL, ETHOXYLATED (>5-20 EO)	Dafnier	EC50	48 h	10 - 100 mg/L
ISOTRIDEKANOL, ETHOXYLATED (>5-20 EO)	Algea	EC50	72 h	10 - 100 mg/L
2-phenoxyethanol	Fish	LC50	96 h	344 mg/L
2-phenoxyethanol	Dafnier	EC50	48 h	> 500 mg/L
2-phenoxyethanol	Algea	EC50	72 h	> 500 mg/L
2-(2-butoxyethoxy)ethanol	Fish	LC50	96 h	2500 mg/L
2-(2-butoxyethoxy)ethanol	Dafnier	EC50	48 h	> 1000 mg/L
tetrapotassiumpyrophosphate	Fish	EC0	48 h	> 750 mg

12.2 Persistence and degradability

The Surfactants are readily biodegradable as determined by the OECD 301 test B+D (> 60% CO₂/BOD, 28 days)

12.3 Bioaccumulative potential:

ISOTRIDEKANOL, ETHOXYLATED (>5-20 EO) LogPow / BCF: No data – No relevant bioaccumulating.

Tetrapotassiumpyrophosphate. LogPow -2. BCF: No data.

12.4 Mobility in soil:

The surfactant will be absorbed in soil.

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: 1760**14.2 UN proper shipping name:** Corrosive liquid. N.O.S.**14.3 Transport hazard class(es):** 8**14.4 Packing group:** III**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-phrase and H-phrase in chapter 2 and 3 are to read as follows:

H226: Flammable liquid and vapour

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects