

**SECTION 1:
Identification of the
substance/mixture and of the
company/undertaking****Floor cleaner****1.1 Product identifier:** Alfix Floor 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 Dam 1; H318 Causes serious eye damage

2.2 Label elementsLabelling according to CLP (1272/2008)

Signal word: Danger

Causes serious eye damage. (H318)

Keep out of reach of children. (P102)

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Contains:

< 5% surfactants, biocides (2-bromo-2-nitro-1,3-propandiole)

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
Isotridecanoethoxy- ylate	61827-42-7	Polymer	-	< 5 %	-	Acute Tox. 4 ; H302 Eye dam. 1 ; H318
Butylalcoxyate	-	Polymer	-	< 1 %	02- 21196307 17-36- 0000	Acute Tox 4 ; H302

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: 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: 9

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: 1.0 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:

Hazard class	Test data	Test method	Source
Acute toxicity: Inhalation Dermal Oral	No available data No available data Isotridecanoethoxyfate: LD50 (rat) > 500-2000 mg/kg	-	MSDS
Irritation/ Corrosivity:	Isotridecanoethoxyfate: Eyes, rabbit (100 µ24h): "Severe" No available data	Draize	RTECs
Sensitisation:	No available data		
CMR:	Cancer: No available data Mutagenicity: No available data Fertility: No available data Birth defects: No available data		

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:

Extended contact may cause skin irritation.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic	Data (isotridecanoethoxyfate)	Testmethod	Source
Fish	LC50 (fish, 96h) = 10-100 mg/l	-	MSDS
Aquatic Invertebrates	EC50 (Daphnia, 48h) = 6 mg/l	-	MSDS
Algae	EC50 (Algae, 72h) = 50 mg/l	-	MSDS

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:

No relevant bioaccumulation.

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:

200130

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:



Safety data sheet

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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:

H302: Harmful if swallowed.

H318: Causes serious eye damage.