

Impregnator

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

- 1.1 Product identifier:** Alfix Impregnator.
1.2 Relevant identified uses of the substance or mixture and uses advised against:
 Used as sealer and impregnator for all porous stone, tile and grout surfaces
1.3 Details of the supplier of the safety data sheet:

Alfix A/S
 H.C. Ørsteds Vej 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:**
 Not regarded as a health or environmental hazard under current legislation.
2.2 Label elements
Labelling according to EC (67/548 or 1999/45)
 -
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. | Con-tent- % | REACH reg.No | Classification |
|----------------------------|-----------|-----------|------------------|----------------|--|--|
| Ammoniak | 1336-21-6 | 215-647-6 | 007-001- 01-2 | - | EU: C;R34 N;R50 (M=1) CLP: Skin Corr. 1B;H314 Aquatic Acute 1;H400 (M=1) | EF : Xn, R22 Xi ; R41 CLP : 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 R-phrases and 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. 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:
 Strong irritation in contact with eyes, skin and respiratory tract.

**SECTION 5:
Firefighting measures****SECTION 6:
Accidental release measures****SECTION 7:
Handling and storage****SECTION 8:
Exposure controls/personal
protection****SECTION 9:
Physical and chemical properties****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.

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.

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:

Dam and pick up spillage with sand, cat sand or other absorbing materials and place it in suitable containers. Disposal: See section 13.

6.4 References to other sections:

See above.

7.1 Precautions for safe handling:

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.

8.1 Control parameters:

None.

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.

9.1 Information on basic physical and chemical properties:

Appearance: Liquid.

Odour: -

Odour threshold: -

pH: 8

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: -

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:**
Avoid frost and excessive heat.
- 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 | LC ₅₀ (rat) = 2 mg/l/4h (ammonia) LD ₅₀ (skin, rate) = 4840 mg/kg (ammoniak) LD ₅₀ (rat) = 350 mg/kg | OECD 404 OECD 402 OECD 401 | |
| Irritation/ Corrosivity: | Corrosive (ammonia) | OECD 404 | RTECS |
| Sensitisation: | No sensitisation (ammonia) | GMPT test | IUCLID |
| CMR: | Cancer: No available data Mutagenicity: No available data Fertility: No available data Birth defects: No available data | - - - - | - - - - |

11.2 Symptoms related to the physical, chemical and toxicological characteristics
Inhalation:

When used in small poorly ventilated rooms, exposure may cause headache and / or nausea.

Skin contact:

Prolonged or repeated skin contact may give a slight irritation.

Eye contact:

May give flushing and irritation.

Ingestion:

Unlikely however if ingested it will give severe irritation – possible corrosion in mouth, stomach and intestinal tract. 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:

| Aquatic | Data | Testmethod | Source |
|-----------------------|--|------------|------------|
| Fish | LC50 (Hypophthalmichthys nobilis, 96h) = 0.3 mg/l (Ammoniak) | FW | EPA Ecotox |
| Aquatic Invertebrates | EC50 (Daphnia magna, 48h) = 0.53 mg/l (Ammoniak) | FW | EPA Ecotox |
| Algae | No available data | - | IUCLID |

The product is not classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential:

No available data.

12.4 Mobility in soil:

No available data.

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 effected 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:

08 04 10

**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.

Declaration:

-

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:

R34 Causes burns.

R50 Very toxic to aquatic organisms.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.