

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

Product name: ADOFLOW ACF

Index number: ABCD 317

Use / description of product: Proprietary accelerating plasticiser for concrete

Company name: Adomast Building Chemicals Ltd

Unit G

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SODIUM NITRITE 10-30%

EINECS: 231-555-9 CAS: 7632-00-0

[O] R8; [T] R25; [N] R50

3. HAZARDS IDENTIFICATION

Main hazards: Toxic if swallowed. Very toxic to aquatic organisms.

4. FIRST AID MEASURES (SYMPTOMS)

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

Eye contact: There may be pain and redness.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting.

Convulsions may occur. There may be loss of consciousness.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water. If irritation persists, obtain medical advice.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: For effects produced by over-exposure, move to fresh air. If effects persist, obtain medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media: The product has a significant water content and is not expected to support combustion, however, the residue left after evaporation could be ignited by high energy sources.

Exposure hazards: Toxic. In combustion emits toxic fumes.

Protection of fire-fighters: The nature of special protective equipment required will depend upon the size of fire, the degree of confinement of the fire and the natural ventilation available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Turn leaking containers leak-side up to prevent the escape of liquid. Collect with absorbent, non combustible material into containers and dispose of as waste.

Environmental precautions: Dangerous for the environment if discharged into watercourses. Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Pale yellow

Odour: Barely perceptible odour

Solubility in water: Soluble

Viscosity: Non-viscous

Relative density: 1.24

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: SODIUM NITRITE
ORL MUS LD50 175 mg/kg
ORL RAT LD50 180 mg/kg
SCU RAT LD50 96600 µg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Very toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of via an authorised person / licensed waste disposal contractor in accordance with local regulations.

See accidental release measures

Waste code number: 16 03 05*

Disposal of packaging: Any special regulatory disposal status or provisions applicable to the product may also apply to empty containers or packaging if they contain, or are impaired with residual material -

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 2810

ADR Class: 6.1

Packing group: III

Classification code: T1

Shipping name: TOXIC LIQUID, ORGANIC, N.O.S. (SODIUM NITRITE; WATER)

Labelling: 6.1

Hazard ID no: 60



IMDG / IMO

UN no: 2810

Class: 6.1

Packing group: III

EmS: F-A,S-A

Marine pollutant: .

Labelling: 6.1

IATA / ICAO

UN no: 2810

Class: 6.1

Packing group: III

Packing instructions: 611(P&CA); 618(CAO)

Labelling: 6.1

15. REGULATORY INFORMATION

Hazard symbols: Toxic.

Dangerous for the environment.



Risk phrases: R25: Toxic if swallowed.

R50: Very toxic to aquatic organisms.

Safety phrases: S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label)

SAFETY DATA SHEET

ADOFLOW ACF

where possible).

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S28: After contact with skin, wash immediately with plenty of water

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R8: Contact with combustible material may cause fire.

R25: Toxic if swallowed.

R50: Very toxic to aquatic organisms.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.