

SAFETY DATA SHEET

ADOFLOW Winteraid

ADOMAST

Building Chemicals Limited

1.00 IDENTIFICATION OF COMPOUND **ADOFLOW** **Winteraid:** Concrete plasticising and accelerating admixture.

1.10 IDENTIFICATION OF MANUFACTURER
Adomast Building Chemicals Ltd.
Unit G, Lea Road Trading Estate, Waltham Abbey, Essex EN9 1AE
Telephone: 01992 710 684 Fax: 01992 712 813

2.00 COMPOSITION / INFORMATION ON INGREDIENTS
Contains:

Chemical name	CAS No	Concentration (%w/w)
Sodium nitrite	7632-00-0	< 50%

Hazard Symbol **Risk Phrases**
T 25: Toxic if swallowed.

3.00 HAZARDS IDENTIFICATION
Toxic if swallowed. May be toxic by inhalation. May be irritating to eyes. May be absorbed systemically by inhalation or ingestion after significant exposure. May be absorbed through the skin causing systemic toxic effects. Oxidising agent. Toxic to aquatic organisms.

4.00 FIRST AID MEASURES
Eyes: Flush eyes with copious amounts of water for 10 minutes. Seek medical advice if any irritation persists.
Skin: Remove contaminated clothing and wash before reuse. Wash skin with plenty of water. Seek medical advice if any irritation persists.
Inhalation: If inhalation of high concentrations of mist should occur, remove victim from exposure. Obtain medical attention.
Ingestion: Do not induce vomiting. Wash out mouth with water, give 200-300 ml of water to drink and seek medical attention.
Medical Advice: Administer oxygen if there are signs of cyanosis. If clinical condition deteriorates, 10cc of methylene blue intravenously (unlikely to be required with a methaemoglobin level of less than 40%). Intramuscular injection of 1mg vitamin B12 may also help.
Delayed Effects: If exposure to nitrogen oxide fumes (decomposition products) is suspected keep under observation for at least 48 hours as delayed pulmonary oedema may develop.

5.00 FIRE FIGHTING MEASURES
Extinguishing Media: Product is water based and not combustible.
Special Hazards: Drums and other containers of product exposed to fire may explode. These may be cooled with water spray/fog equipment. May emit oxygen and toxic oxides of nitrogen if heated.
Special protective equipment: Wear suitable clothing to prevent eye/skin contact occurring. Wear suitable breathing apparatus.

6.00 ACCIDENTAL RELEASE MEASURES
Personal Precautions: Wear full protective clothing and goggles.
Environmental Precautions: Do not allow product to enter drains or water courses. Advise local authorities if this is not possible.
Clean Up Methods: Recover all spillages using absorbent materials. Once transferred to suitable containers hose down area with plenty of water.

7.00 HANDLING AND STORAGE
Handling: Avoid contact with eyes/skin. Wash contaminated clothing thoroughly before reuse.
Storage: Protect containers from extremes of temperature. Do not store near foodstuffs.

8.00 EXPOSURE CONTROLS / PERSONAL PROTECTION
Good working practice suggests that suitable overalls, impervious gloves and goggles should be worn when handling this product.

9.00 PHYSICAL AND CHEMICAL PROPERTIES
Form: Clear liquid **Colour:** Pale Yellow
Relative density: 1.22 to 1.26
Boiling Point (°C): Decomposes above 200.

Solubility: water: Totally soluble in water.

10.00 STABILITY AND REACTIVITY
Conditions to avoid: Extremes of temperature.
Materials to avoid: Acids, ammonium salts, cyanides, sodamide, acetates, thiocyanates, thiosulphates, hypophosphites, amines and reducing agents.
Hazardous decomposition products: Oxygen, nitrogen oxides, formaldehyde and carbon oxides may be produced at elevated temperatures.

11.00 TOXICOLOGICAL INFORMATION
Inhalation and Ingestion: May cause congestion of the chest and heart burns accompanied by shortness of breath due to the escape of fluid in the lungs. Ingestion of large amounts may result in severe abdominal pain, vomiting, diarrhoea, convulsions and collapse. In severe cases greyish-blue discoloration of the skin and mucous membrane, rapid shallow breathing, lowered blood pressure and increased heart rate may result.
Skin contact: Repeated or prolonged skin contact may result in irritation. Sodium nitrite can be absorbed through the skin causing systemic toxic effects.
Eye Contact: May cause irritation.

12.00 ECOLOGICAL INFORMATION
Mobility: The product is soluble with water and is expected to have high mobility in soil. All components have low volatility.
Degradability: The components in the preparation are substantially biodegradable.
Accumulation: The components in the preparation are not expected to bioaccumulate.
Ecotoxicity: May be toxic to aquatic organisms if large quantities are discharged into surface waters. Advise local authorities if this should occur.

13.00 DISPOSAL CONSIDERATIONS
Disposal of product and contaminated containers by landfill in accordance with local, state or national regulations.

14.00 TRANSPORT INFORMATION
UN No: 1500
Proper Shipping Name: Sodium Nitrite Mixture
Class/Packing Group: 5.1/III
HAZCHEM Code: 1[Z]
ADR/RID Item No: 23(°C)
ADR/RID Hazard ID No: 50

15.00 REGULATORY INFORMATION
Classification: Toxic
Hazard symbol: T
Risk Phrases:
R25 Toxic if swallowed.
Safety Phrases:
S45 In case of accident or if you feel unwell, seek medical advice immediately (show this information where possible)

16.00 OTHER INFORMATION
Every effort has been made to ensure that the information contained in this safety data sheet is reliable but we cannot accept any liability for any loss, injury or damage that may result from use of the product. This information does not constitute assessment of risk as required by health and safety legislation. Data given in this safety data sheet are solely for guidance in safe handling and use of the product by customers; they do not form part of any specification.

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