

CONTACT
0800 990 3258
enquiries@reagent.co.uk



ReAgent

SAFETY DATA SHEET SODIUM MOLYBDATE AR

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME	SODIUM MOLYBDATE AR
PRODUCT NO.	1549
APPLICATION	General chemical reagent
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: info@reagent.co.uk
EMERGENCY TELEPHONE	Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

2 HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

CLASSIFICATION -

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	231-551-7
CAS-No.	10102-40-6

4 FIRST-AID MEASURES

GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. If casualty needs to be resuscitated avoid mouth to mouth contact, use a mechanical device such as a bag and mask to provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Do not give victim anything to drink if they are unconscious. If medical attention is required take this information sheet with the casualty.

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure to dusts or if discomfort continues get medical attention.

INGESTION

Rinse mouth thoroughly with water. If casualty has ingested large amounts or if discomfort continues obtain medical attention.

SKIN CONTACT

If clothing has become contaminated with large amounts it should be removed and washed before use. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

SODIUM MOLYBDATE AR**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Avoid dust formation. Collect with scoop or shovel if possible to do so safely, otherwise mix with sand or other inert non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid inhalation of dust and contact with skin and eyes.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
SODIUM MOLYBDATE AR	WEL		5 (as Mo) mg/m ³		10 (as Mo) mg/m ³	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. If dusts are generated then work in a fume cupboard

RESPIRATORY EQUIPMENT

Wear suitable dust respirator if dusts are generated and there is insufficient ventilation or extraction.

HAND PROTECTION

Wear protective gloves. Rubber or plastic. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Have facilities in place to wash eyes in case of contact. If handling large amounts it is recommended to have a safety shower. Wear rubber apron and full length gloves if handling large amounts. If there is a risk of splashing then wear a face shield.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid		
COLOUR	White		
ODOUR	Odourless		
SOLUBILITY	Very soluble in water.		
MELTING POINT (°C)	687 (Anhydrous)	RELATIVE DENSITY	3.28
BULK DENSITY	1 kg/l	pH-VALUE, DILUTED SOLUTION	Approx. 8 - 10 5%
SOLUBILITY VALUE (g/100g H ₂ O@20°C)	84		

10 STABILITY AND REACTIVITY**STABILITY**

Stable.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 4233 mg/kg (oral rat)

INHALATION

Irritation of the mucous membranes, coughing and dyspnoea.

SODIUM MOLYBDATE AR**INGESTION**

May cause nausea, vomiting and diarrhoea.

SKIN CONTACT

May cause irritation on prolonged or repeated contact. May be harmful if the product enters the bloodstream due to breaks in the skin.

EYE CONTACT

Irritating to eyes.

TARGET ORGANS

Toxic effect on liver and kidneys in high doses.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

LC 50, 96 Hrs, FISH mg/l 7600 (Onchorhynchus mykiss)

EC 50, 48 Hrs, DAPHNIA, mg/l 330

IC 50, 72 Hrs, ALGAE, mg/l 100

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15 REGULATORY INFORMATION**RISK PHRASES**

NC Not classified.

SAFETY PHRASES

NC Not classified.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION**REVISION COMMENTS**

This is first issue.

REVISION DATE 08/05/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 20786

SAFETY DATA SHEET STATUS

Approved.