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ReAgent

SODIUM METABISULPHITE AR MSDS

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

PRODUCT NAME	SODIUM METABISULPHITE AR
CAS-No.	7681-57-4
EU INDEX NO.	016-063-00-2
EC No.	231-673-0
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
PRODUCT NO.	2341
APPLICATION	General chemical reagent

2 HAZARDS IDENTIFICATION

Harmful if swallowed. Contact with acids liberates toxic gas. Risk of serious damage to eyes.

CLASSIFICATION (67/548) -

3 COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO.	016-063-00-2
EC No.	231-673-0
CAS-No.	7681-57-4

4 FIRST-AID MEASURES

INHALATION

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

INGESTION

Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. In serious cases or if discomfort continues after slight contact obtain medical attention.

EYE CONTACT

May cause permanent damage if eye is not immediately irrigated. 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 immediately.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

In cases of fire, toxic fumes may be formed. Sulphurous gases (SO_x).

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

SODIUM METABISULPHITE AR**SPILL CLEAN UP METHODS**

Avoid dust formation. Small Spillages: Carefully remove with scoop or shovel if safe to do so and transfer to waste containers. Otherwise Mix with sand. Large Spillages: Contain and mix spillage with sand or earth before removing with spade or shovel and transferring to salvage containers. Seal containers securely and deliver for disposal according to local authority 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 Store separated from: Acids.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
SODIUM METABISULPHITE AR	OES	5 mg/m ³		

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit (WEL) is not exceeded. Work in fume cupboard.

RESPIRATORY EQUIPMENT

Wear respirator and cartridge suitable for Hydrochloric acid and Sulphur Dioxide when dusts, vapours or aerosols are generated.

HAND PROTECTION

Wear protective gloves. Rubber or plastic

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear suitable protective clothing and personal protective equipment to avoid skin contact with this substance. If there is a risk of splashing then wear a face shield. Provide eyewash station and safety shower.

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	Crystals		
COLOUR	White		
ODOUR	Pungent		
MELTING POINT (°C)	About 150 (Decomposition)	RELATIVE DENSITY	1.48
BULK DENSITY	1.1 - 1.2 kg/l	pH-VALUE, DILUTED SOLUTION	4-5.5
SOLUBILITY VALUE (g/100g H ₂ O@20°C)	65		

10 STABILITY AND REACTIVITY**STABILITY**

Moisture sensitive.

MATERIALS TO AVOID

Acids. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Sulphur dioxide.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 1540 mg/kg (oral rat)

INHALATION

Irritation of mucous membranes and coughing

SODIUM METABISULPHITE AR**INGESTION**

Irritation of the mouth, the oesophagus and the gastrointestinal tract.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Severely irritating to eyes. Risk of serious damage to eyes.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal. Do not allow to enter drinking water, waste water or soil.

LC 50, 96 Hrs, FISH mg/l 150-220(Onchorhynchus mykiss)

EC 50, 48 Hrs, DAPHNIA, mg/l 89(Daphnia magna)

IC 50, 72 Hrs, ALGAE, mg/l 48 (Desmodesmus subspicatus)

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**LABELLING**

Harmful

RISK PHRASES

R22 Harmful if swallowed.
 R31 Contact with acids liberates toxic gas.
 R41 Risk of serious damage to eyes.

SAFETY PHRASES

S2 Keep out of the reach of children.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S39 Wear eye/face protection.
 S46 If swallowed, seek medical advice immediately and show this container or label.

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**GENERAL INFORMATION**

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

REVISION COMMENTS

General rewrite

REVISION DATE 02/07/2008

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SODIUM METABISULPHITE AR

REV. NO./REPL. SDS GENERATED 2

SDS NO. 20561

SAFETY DATA SHEET STATUS

Approved.