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# ReAgent

## SODIUM THIOSULPHATE LRG MSDS

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME	SODIUM THIOSULPHATE LRG
CAS-No.	10102-17-7
EC No.	231-867-5
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: <a href="mailto:info@reagent.co.uk">info@reagent.co.uk</a>
PRODUCT NO.	1940
APPLICATION	General chemical reagent
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 (67/548) -

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	231-867-5
CAS-No.	10102-17-7

### 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. In case of severe exposure to dusts or if discomfort continues get medical attention.

#### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If casualty has ingested large amounts or if discomfort continues wash mouth thoroughly and obtain medical attention.

#### SKIN CONTACT

Immediately remove contaminated clothing. Wash the skin immediately with soap and water. In serious cases obtain medical attention.

#### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 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<sub>x</sub>).

#### PROTECTIVE MEASURES IN FIRE

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

**SODIUM THIOSULPHATE LRG****6 ACCIDENTAL RELEASE MEASURES****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 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 spilling, skin and eye contact. Avoid inhalation and spreading of dusts

**STORAGE PRECAUTIONS**

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

**STORAGE CLASS**

Chemical storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING MEASURES**

Provide sufficient ventilation for operations causing dust formation. If dusts are generated then work in a fume cupboard

**RESPIRATORY EQUIPMENT**

Wear suitable dust respirator when dusts are generated Consult with the supplier as to the compatibility of the equipment with the chemical of concern.

**HAND PROTECTION**

Wear protective gloves. Rubber or plastic

**EYE PROTECTION**

Wear approved safety goggles.

**OTHER PROTECTION**

Provide eyewash station and if handling large amounts, a safety shower. Wear plastic 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. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Solid		
COLOUR	Colourless		
ODOUR	Odourless		
MELTING POINT (°C)	48.5	RELATIVE DENSITY	1.69
pH-VALUE, DILUTED SOLUTION	6.8 - 7.2 5%	SOLUBILITY VALUE (g/100g H <sub>2</sub> O@20°C)	68

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use. Danger of dust explosion.

**MATERIALS TO AVOID**

Strong oxidising substances. Acids. Nitrites and peroxy compounds (explosive risk).

**HAZARDOUS DECOMPOSITION PRODUCTS**

Sulphur dioxide.

**11 TOXICOLOGICAL INFORMATION**

TOXIC DOSE 1 - LD 50 >8000 mg/kg (oral rat)

**INHALATION**

Dusts in high concentration may irritate the respiratory system.

**INGESTION**

Ingestion of large amounts may cause nausea and vomiting.

**SKIN CONTACT**

May cause slight irritation on prolonged contact.

**SODIUM THIOSULPHATE LRG****EYE CONTACT**

May cause temporary eye irritation.

**HEALTH WARNINGS**

Although not classified as hazardous, the product should be treated with the care and attention appropriate to chemicals.

**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                      10000 (P. promelas)

EC 50, 48 Hrs, DAPHNIA, mg/l              1223

**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.
ROAD TRANSPORT NOTES	Not Classified
SEA TRANSPORT NOTES	Not classified.
AIR TRANSPORT NOTES	Not classified.

**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****GENERAL INFORMATION**

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

**REVISION COMMENTS**

General rewrite

REVISION DATE                      06/08/2009

REV. NO./REPL. SDS GENERATED    1

SDS NO.                                  20528

**SAFETY DATA SHEET STATUS**

Approved.