

## MATERIAL SAFETY DATA SHEET

### 4147 SODIUM THIOSULPHATE, ANHYDROUS

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

**SUPPLIER:** SDC Enterprises Limited  
Unit 29 Pitcliffe Way Industrial Estate  
Upper Castle Street  
Bradford  
West Yorkshire BD5 7SG

**EMERGENCY TELEPHONE:** Tel: 01274 750160 Fax: 01274 750162

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	CONTENTS (class)	HEALTH (R No.)	SAFETY RISK (S No.)
SODIUM THIOSULPHATE, ANHYDROUS EEC No 231-867-5	7772-98-7	95%	R36,R37,R38	S26,S36

#### 3. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC directives 67/548/EEC or 1999/45/EC

R-phrases) None

#### 4. FIRST AID MEASURES

**INHALATION:** Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

**INGESTION:** Do not induce vomiting. Obtain medical attention.

**SKIN:** Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention

**NOTES TO PHYSICIAN:** Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:** No information available

Unit 29 Pitcliffe Way, Upper Castle Street  
Bradford, West Yorkshire BD5 7SG  
Tel: 01274 750160 Fax: 01274 750162  
sales@sdcenterprises.co.uk  
www.sdcenterprises.co.uk  
Company Registration No. 4309966 Registered in England



**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** Keep product and empty container away from heat and sources of ignition

**PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:** As in any fire, wear self contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**FLASH POINT:** No information available

**METHOD:** No information available

**AUTOIGNITION TEMPERATURE:** No information available

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

**ENVIRONMENTAL PRECAUTIONS:** Should not be released into the environment.

**METHODS FOR CONTAINMENT AND CLEAN UP:** Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

## 7. HANDLING AND STORAGE

**HANDLING:** Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation.

**STORAGE:** Keep containers tightly closed in a dry, cool and well ventilated place.

**SPECIFIC USE(S):** No information available.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EXPOSURE LIMITS:** The product does not contain any hazardous materials with occupational exposure limits established.

### OCCUPATIONAL EXPOSURE CONTROLS

**ENGINEERING MEASURES:** Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**EYE PROTECTION:** Tightly fitting safety goggles.

**SKIN AND BODY PROTECTION:** Wear appropriate protective gloves and clothing to prevent skin exposure.

**HAND PROTECTION:** Protective gloves.

**HYGIENE MEASURES:** Handle in accordance with good industrial hygiene and safety practice

Unit 29 Pitcliffe Way, Upper Castle Street  
Bradford, West Yorkshire BD5 7SG  
Tel: 01274 750160 Fax: 01274 750162  
sales@sdcenterprises.co.uk  
www.sdcenterprises.co.uk  
Company Registration No. 4309966 Registered in England

**ENVIRONMENTAL EXPOSURE CONTROLS:** No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Solid
<b>APPEARANCE:</b>	White
<b>ODOUR/TASTE:</b>	Odourless
<b>pH:</b>	6.0-8.5, 5% aq.sol. 20°C
<b>VAPOUR PRESSURE:</b>	Negligible
<b>BOILING POINT/RANGE:</b>	No information available
<b>MELTING POINT/RANGE:</b>	48°C / 118.4°F
<b>FLASH POINT:</b>	No information available
<b>EVAPORATION RATE:</b>	Negligible
<b>SOLUBILITY IN WATER:</b>	700 g/L @ (20°C)
<b>MOLECULAR FORMULA:</b>	Na <sub>2</sub> O <sub>3</sub> S <sub>2</sub>
<b>MOLECULAR WEIGHT:</b>	158.1

## 10. STABILITY AND REACTIVITY

**STABILITY:** Hygroscopic.

**CONDITIONS TO AVOID:** Exposure to moist air or water

**INCOMPATIBLE MATERIALS:** Strong oxidising agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Sodium oxides, Sulfur oxides.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerisation does not occur

**HAZARDOUS REACTIONS:** None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

### COMPONENT INFORMATION

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
-----------	-----------	-------------	-----------------

Unit 29 Pitcliffe Way, Upper Castle Street  
 Bradford, West Yorkshire BD5 7SG  
 Tel: 01274 750160 Fax: 01274 750162  
 sales@sdcenterprises.co.uk  
 www.sdcenterprises.co.uk  
 Company Registration No. 4309966 Registered in England

Sodium Thiosulfate	5000 mg/kg (Rat)		
--------------------	------------------	--	--

**CHRONIC TOXICITY:**

**CARCINOGENICITY:** There are no known carcinogenic chemicals in this product.

**SENSITIZATION:** No information available

**NEUROLOGICAL EFFECTS:** No information available

**MUTAGENIC EFFECTS:** No information available

**REPRODUCTIVE EFFECTS:** No information available

**DEVELOPMENTAL EFFECTS:** No information available

**TARGET ORGANS:** None known

**OTHER ADVERSE EFFECTS:** The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICITY:** Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

**PERSISTENCE AND DEGRADABILITY:** No information available.

**BIOACCUMULATIVE POTENTIAL:** No information available

**MOBILITY:** No information available

Component	log Pow
Sodium Thiosulfate	-4.35

## 13. DISPOSAL CONSIDERATIONS

**WASTE FROM RESIDUES / UNUSED PRODUCTS:** Dispose in accordance with local regulations

**CONTAMINATED PACKAGING:** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**IMDG / IMO:** Not regulated

**ADR:** Not regulated

**IATA:** Not regulated

Unit 29 Pitcliffe Way, Upper Castle Street  
 Bradford, West Yorkshire BD5 7SG  
 Tel: 01274 750160 Fax: 01274 750162  
 sales@sdcenterprises.co.uk  
 www.sdcenterprises.co.uk  
 Company Registration No. 4309966 Registered in England

**15. REGULATORY INFORMATION**

Not a hazardous substance or preparation according to EC directives 67/548/EEC or 1999/45/EC

**Labelling:**

**R-phrases(s)** None

**S-phrases(s)** S24/25 – Avoid contact with skin and eyes

**International Inventories**

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Sodium Thiosulfate	231-867-5	-		X	X	-	X	X	X	X	KE-31663 X

**16. OTHER INFORMATION**

**REVISION COMMENTS:**

**REVISION DATE:** 12.11.2014

**REVISION No./REPLACES SDS ISSUED:** 27.01.2011

**SDS ISSUE No:** 3

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.