

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name:** SODIUM THIOSULPHATE 0.1M

**CAS number:** 7772-98-7

**Product code:** A71705,

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

**Company name:** Philip Harris Ltd

2 Gregory Street

Hyde

Cheshire

SK14 4HR

United Kingdom

**Tel:** +44 (0)845 1200 506

**Fax:** +44 (0)161 367 2140

**Email:** [enquiries@philipharris.co.uk](mailto:enquiries@philipharris.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 845 1200 506

**Section 2: Hazards identification****2.1. Classification of the substance or mixture**

**Classification under CLP:** This product has no classification under CLP.

**2.2. Label elements**

**Label elements:** This product has no label elements.

**2.3. Other hazards**

**Other hazards:** The substance is not classified as hazardous to health or the environment according to the CLP regulation. This substance is not classified as dangerous according to Directive 67/548/EEC.

**PBT:** This product is not identified as a PBT substance.

**Section 3: Composition/information on ingredients****3.1. Substances**

**Chemical identity:** SODIUM THIOSULPHATE 0.1M

**SAFETY DATA SHEET**  
SODIUM THIOSULPHATE 0.1M

Page: 2

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Remove contact lenses, if present and easy to do.

**Ingestion:** Rinse mouth with water. Do not induce vomiting. Give nothing to eat or drink. Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. may cause respiratory tract irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes of sulphur oxides. In combustion emits toxic fumes of nitrogen oxides.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** DO NOT fight fire when fire reaches explosives. Wear self-contained breathing apparatus.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Avoid generation of dust. Do not breathe dust. Provide adequate ventilation. In case of fire & large quantities remove persons to safety.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Spilled product must never be returned to the original container for recycling. Take up

[cont...]

# SAFETY DATA SHEET

## SODIUM THIOSULPHATE 0.1M

Page: 3

carefully when dry. Clean contaminated objects and areas thoroughly observing environmental regulations. Collect in closed and suitable containers for disposal.

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. Protect from moisture.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Storage temperature 15-25°C Keep container tightly closed. Store in cool, well ventilated area.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### 8.1. DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** If handled uncovered use local exhaust ventilation. Technical measures and the application of suitable work processes have priority over personal protection equipment.

**Respiratory protection:** Respiratory protection (filtering half face mask DIN EN 149) is required at aerosol or mist formation.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** No data available

**Odour:** No data available

**Evaporation rate:** No data available

**Oxidising:** No data available

[cont...]

**SAFETY DATA SHEET**  
SODIUM THIOSULPHATE 0.1M

Page: 4

**Solubility in water:** No data available

**Also soluble in:** No data available.

**Viscosity:** No data available

**Viscosity test method:** No data available.

**Boiling point/range°C:** Min. 100°C (1013hPa)

**Relative density:** 1.22g/cm<sup>3</sup>(20°C)

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** No data available.

**10.2. Chemical stability**

**Chemical stability:** Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** The generally known reaction partners of water.

**10.4. Conditions to avoid**

**Conditions to avoid:** No data available

**10.5. Incompatible materials**

**Materials to avoid:** No data available.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** No data available.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:** No data available.

**Symptoms / routes of exposure**

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. may cause respiratory tract irritation.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

[cont...]

**SAFETY DATA SHEET**  
SODIUM THIOSULPHATE 0.1M

Page: 5

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT substance.

**12.6. Other adverse effects**

**Other adverse effects:** No data available.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.