



Page: 1

Compilation date: 12/04/2013

Revision date: 03/08/2023

Revision No: 3

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** THIOCYANATE STANDARD SOLUTION 1000PPM**Product code:** 21332**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC21: Laboratory chemicals.**1.3. Details of the supplier of the safety data sheet****Company name:** EDT directIOn Limited

The Old Silo Store

St. Radigund's Abbey Farm

Dover

Kent CT15 7DL

**Tel:** 01304 829960**email:** Info@edt.co.uk**1.4. Emergency telephone number****Emergency tel:** +44(0)1304829960**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** -: EUH032**Most important adverse effects:** Contact with acids liberates very toxic gas.**2.2. Label elements****Label elements:****Hazard statements:** EUH032: Contact with acids liberates very toxic gas.**2.3. Other hazards****PBT:** This product is not identified as a PBT/vPvB substance.**Section 3: Composition/information on ingredients****3.2. Mixtures****Contains:** No other components need to be disclosed according to the applicable regulations.

[cont...]

**MATERIAL SAFETY DATA SHEET**  
**21332 THIOCYANATE STANDARD SOLUTION 1000PPM**

Page: 2

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

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

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** Contact with acids liberates toxic gas. May produce oxides of Nitrogen, Potassium, Sulfur, and possibly Cyanides, when heated to decomposition.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

[cont...]

**MATERIAL SAFETY DATA SHEET**  
**21332 THIOCYANATE STANDARD SOLUTION 1000PPM**

Page: 3

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** PPE To be worn. See section 8.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

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

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** The floor of the storage room must be impermeable to prevent the escape of liquids. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of work day.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves. Glove material: Nitrile. Layer thickness:0.15mm. Breakthrough time:>480min. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Eye protection:** Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Wear appropriate clothing to prevent any possibility of skin contact.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**9.2. Other information**

**Other information:** No data available.

[cont...]

**MATERIAL SAFETY DATA SHEET**  
**21332 THIOCYANATE STANDARD SOLUTION 1000PPM**

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions. Contact with acids liberates toxic gas.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Incompatible products.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** Does not decompose when used for intended uses.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:**

Route	Species	Test	Value	Units
ORAL(KSCN)	RAT	LD50	854	mg/kg

**Symptoms / routes of exposure**

**Skin contact:** There may be mild irritation at the site of contact.

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

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:**

Species	Test	Value	Units
Daphnia magna(KSCN)	48H EC50	11	mg/l

**12.2. Persistence and degradability**

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

**MATERIAL SAFETY DATA SHEET**  
**21332 THIOCYANATE STANDARD SOLUTION 1000PPM**

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/vPvB substance.

**12.6. Other adverse effects**

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

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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**

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

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

**Phrases used in s.2 and s.3:** EUH032: Contact with acids liberates very toxic gas.

**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.