

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/1470-CO

Product Name **THIOUREA pure**

Molecular Formula **NH₂CSNH₂ =76.12**

CAS Number **62-56-6**

Supplier: **CAMLAB LIMITED**

**Norman Way Industrial Estate
Over
Cambridge
England
CB4 5WE**

Phone **01954 233110**

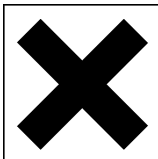
Fax **01954 233101**

Emergency Telephone **08:00-17:00 01954 233110**
24hr 112
(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Thiourea	62-56-6	200-543-5	99.0%	Xn N : R22,R40,R51/53,R63	N/A

3. Hazards Identification



Harmful if swallowed. Limited evidence of carcinogenic effect. Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Possible risk of harm to the unborn child.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Water spray.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Avoid breathing dust. Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so.

Environmental Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6. Accidental Release Measures (continued)

Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.
Storage Conditions	Well ventilated, cool, dry storage .

8.1 Workplace Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	White crystalline solid.
Odour	No specific odour.
pH	7 (10% solution)
Boiling point	Not available
Melting point	176.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	1.4050 °C
Water Solubility	13.6%

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Excessive heating.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Decomposes to evolve highly toxic fumes of oxides of nitrogen and sulphur.

11. Toxicological Information

Eyes	Contact with the solid or dust may be irritating to the eyes.
Skin	Unlikely to be an irritant on brief or occasional exposure.
LD50 Skin	Not available
Ingest	Harmful if swallowed.
LD50 Ingest	Rat 1750 mg/Kg
Inhalation	Inhalation of dust will produce irritation of the eyes, nose, throat and respiratory tract.

11. Toxicological Information (continued)

Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13. Disposal Considerations

Disposal Methods	Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Toxic solid, organic, n.o.s.
UN Number	2811
UN Classification	6.1 Toxic
Subsidiary Risk	None
Flash Point	Not available
Packing Group	III
Transport Category	2
Marine pollutant	No
ADR Hazard ID	60

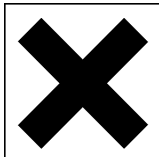


15. Regulatory Information

Labelling	Harmful, Dangerous for the Environment.
Classification	

Label Symbols

Xn



N



Risk & safety Phrases	Harmful if swallowed. Limited evidence of carcinogenic effect. Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Possible risk of harm to the unborn child. Keep out of reach of children. Wear suitable protective clothing and gloves. Avoid release to the environment, refer to special instructions/safety data sheet.
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EEC Number	200-543-5
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16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.
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The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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