

Material Safety Data Sheet

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER	
Product name:	Thiourea
Other Names:	Thiocarbamide; Thiourea; Isothiourea; Thiocarbonic acid diamide; Sulourea.
Chemical formula:	$ \begin{array}{c} \text{S} \\ \parallel \\ \text{R}^1\text{-N} \quad \text{N-R}^3 \\ \quad \quad \\ \text{R}^2 \quad \quad \text{R}^4 \end{array} $
Recommended Use:	Textil processing
Company Identification: Address:	Kemcore International Limited 133 CONNAUGHT RD UNIT 703 ALLIANCE COMM BLDG, HONGKONG
Customer Centre:	Kemcore International Limited
Section 2: HAZARD IDENTIFICATION	
Emergency Overview:	Warning! May cause allergic skin reaction. Possible risks of irreversible effects. This substance has caused adverse reproductive and fetal effects in animals. Harmful if swallowed. May cause cancer based on animal studies.
Potential Acute Health Effects	
Routes of entry:	
Target organs:	Blood, liver, bone marrow, thyroid, reproductive system
Skin contact:	May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin.
Eye contact:	May cause eye irritation. Causes redness and pain.



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Inhalation:	May cause respiratory tract irritation. May cause asthmatic attacks due to allergic sensitization of the respiratory tract. May be harmful if inhaled
Ingestion:	Harmful if swallowed. May cause nausea and vomiting. May cause anemia, leukopenia (reduction in the number of white blood cells in the blood), and thrombocytopenia. May cause bone marrow depression.
Chronic Exposure:	Possible risk of harm to the unborn child. Thiourea has an ant thyroid effect and it is possible that fetal goiter might be produced by sufficient maternal exposure to this agent.
Explanation of carcinogenicity:	May cause cancer based on animal studies
Medical conditions aggravated by exposure:	May cause bone marrow abnormalities with damage to blood forming tissues. May cause reproductive and fetal effects. Prolonged or repeated exposure may cause thyroid damage. Chronic exposure may cause liver damage

Section 3: Composition Information

INGREDIENT	CAS No.	CONTENT
Thiourea	62-56-6	99+%

Section 4: FIRST AID MEASURES

Inhalation:	
Ingestion: a	
Skin:	
Eye:	
Advice to Doctor:	



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Section 5: FIREFIGHTING MEASURES	
Flash Point:	
Combustion Products:	
Extinguishing Media:	
Protective Equipment:	
HAZCHEM Code:	
Section 6: ACCIDENTAL RELEASE MEASURES	
Spills and Disposal:	
Protective Clothing:	
Environmental:	
Section 7: HANDLING AND STORAGE	
Handling:	
Storage:	
Other Information:	
Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION	
Exposure Limits:	
Protective Equipment:	

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Engineering Controls:	
Hygiene Precautions:	
Section 9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	
Odour:	
Specific Gravity:	
Bulk Density:	
pH:	
Solubility in Water:	
Flash Point:	
Melting Point:	
Other Information:	
Section 10: STABILITY AND REACTIVITY	
Stability:	
Hazardous Decomposition Products:	
Conditions to Avoid:	
Materials to Avoid:	
Section 11: TOXICOLOGICAL INFORMATION	

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ERMA Classification:	
Ingestion:	
Inhalation:	
Skin:	
Eye:	
Chronic Effects:	
Other Information:	
Section 12: ECOLOGICAL INFORMATION	
ERMA Classification:	
Ecotoxicity:	
Section 13: DISPOSAL INFORMATION	
Product Disposal::	
Container Disposal:	
Section 14: TRANSPORT INFORMATION	
UN Number:	
Proper Shipping Name:	
DG Class:	
UN Packing Group:	



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Other Information:	
Section 15: REGULATORY INFORMATION	
Section 16: OTHER INFORMATION	