Chem Service Inc.Material Safety Data Sheet

Last Revision Date: 07/03/2011

SECTION 1 - CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Catalog Number: N-10009
Description: 1-(2-Chlorophenyl)-2-thiourea
Other Names: 2-Chlorophenyl thiourea

Supplied by CHEM SERVICE, Inc. PO BOX 599, WEST CHESTER, PA 19381 (610)-692-3026
EMERGENCY PHONE: 1-610-692-3026

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS: 5344-82-1
Description: 1-(2-Chlorophenyl)-2-thiourea
EINECS No:
Hazard Symbols: N/A
Molecular Weight:
Molecular Formula:

SECTION 3 - HAZARDS IDENTIFICATION

Contact lenses should not be worn in the laboratory
May be fatal if absorbed through the skin!
May be fatal if inhaled!
May be fatal if swallowed!
Based on the toxicity of compounds of similar structure this material is probably highly hazardous.
Can cause eye irritation.
Can cause skin irritation.
Dust and/or vapors can cause irritation to respiratory tract.
Can be irritating to mucous membranes.

SECTION 4 - FIRST AID MEASURES

An antidote is a substance intended to counteract the effect of a poison. It should be
administered only by a physician or trained emergency personnel. Medical advice can be
obtained from a POISON CONTROL CENTER.
In case of contact: Flush eyes continuously with water for 15-20 minutes. Flush skin with water for 15-20 minutes.
If no burns have occurred-use soap and water to cleanse skin.

If inhaled remove patient to fresh air. Administer oxygen if patient is having difficulty breathing.
If patient has stopped breathing administer artificial respirations.
If patient is in cardiac arrest administer CPR.
Continue life supporting measures until medical assistance has arrived.
Remove and wash contaminated clothing.
If patient is exhibiting signs of shock - Keep warm and quiet.
Contact Poison Control Center immediately if necessary.
Do not administer liquids or induce vomiting to an unconscious or convulsing person.
If patient is vomiting-watch closely to make sure airway does not become obstructed by vomit.
Get medical attention if necessary.

SECTION 5 - FIRE AND EXPLOSION DATA

Flash Point:	Extinguishing Media:
Not Available	Carbon dioxide, dry chemical powder or spray.

Upper Explosion Limit:	Lower Explosion Limit:	Auto Ignition:
N/A	N/A	N/A

NFPA Hazard Rating:

Health	Flammability	Reactivity	Special

0 - Least, 1 - Slight, 2 - Moderate, 3 - High, 4 - Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills or leaks: Evacuate area. Wear appropriate OSHA regulated equipment. Ventilate area.
Absorb on vermiculite or similar material.
Sweep up and place in an appropriate container.
Hold for disposal.
Wash contaminated surfaces to remove any residues.
Remove contaminated clothing and wash before reuse.

SECTION 7 - HANDLING AND STORAGE

Handling:

This chemical should be handled only in a hood. Eye shields should be worn.
Use appropriate OSHA/MSHA approved safety equipment.
Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation
Wash thoroughly after handling.

Storage:

Store in a cool dry place. Store only with compatible chemicals. Store only with compatible chemicals. Keep tightly closed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PEL (TWA):	ACGIH TLV (TWA):	ACGIH TLV (STEL):
N/A	N/A	N/A

Personal Protective Equipment
Eyes: Wear Safety Glasses.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to minimize contact with skin.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 requirements
must be followed whenever workplace conditions warrant a respirator's use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color: **R**
Phase: **Crystalline solid**
Melting Point: **143-146** C
Boiling Point: **N/A** C
Specific Gravity: **N/A**
Vapor Density: **N/A**
Vapor Pressure:**N/A**
Solubility in water: **N/A**
Odor: **N/A**
Evaporation Rate: **N/A**
Molecular Weight:
Molecular Formula:

SECTION 10 - STABILITY AND REACTIVITY

Incompatible with strong oxidizing agents.
Incompatible with strong bases.
Incompatible with strong acids.
Decomposition liberates toxic fumes.

SECTION 11 - TOXICOLOGY INFORMATION

RTECS: YS7100000

Oral Rat or Mouse LD50:	Dermal Rat or Mouse LD50:	Rat or Mouse LC50:
5	> N/A	N/A

Carcinogenicity

OSHA:	NTP:	IARC:	CARC:	NIOSH:	ACGIH:
No	No	No	No	No	No

California Proposition 65 info: Not Listed

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not Available
Environmental Fate: Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Burn in a chemicals incinerator equipped with an afterburner and scrubber.

SECTION 14 - TRANSPORTATION INFORMATION

UN Number:	Class:	Packing Group:	Proper Shipping Name:

SECTION 15 - REGULATORY INFORMATION

European Labeling in Accordance with EC Directives
Hazard Symbols: N/A

Risk Phrases:

Safety Phrases:

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct on the date it was last revised and must not be considered all inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. OSHA regulations require that if other hazards become evident, an upgraded MSDS must be made available to the employee within three months. RESPONSIBILITY for updates lies with the employer and not with CHEM SERVICE, Inc.

Persons not specifically and properly trained should not handle this chemical or its container. This product is furnished FOR LABORATORY USE ONLY! Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticide products, food additives or as household chemicals.

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