

Creation Date 08-Feb-2010

Revision Date 24-Nov-2010

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Description:** Allylthiourea  
**Cat No.** 148800000; 148800250; 148800500; 148801000; 148805000  
**Synonyms** Thiosinamine

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Laboratory chemicals  
**Uses advised against** No Information available

**Details of the supplier of the safety data sheet**

**Company**

Acros Organics BVBA  
 Janssen Pharmaceuticaaan 3a  
 2440 Geel, Belgium

**E-mail address** begel.sdsdesk@thermofisher.com

**Emergency Telephone Number**

For information in the US, call: 001-800-ACROS-01  
 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99  
 Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300  
 CHEMTREC Phone Number, Europe: 001-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

Acute oral toxicity	Category 3
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**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

For the full text of the R phrases mentioned in this Section, see Section 16

**Symbol(s)** T - Toxic  
**R -phrase(s)** R25 - Toxic if swallowed

**Label Elements**



**Signal Word**

**Danger**

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**Hazard Statements**

H301 - Toxic if swallowed

**Precautionary Statements - EU (§28, 1272/2008)**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician

P280 - Wear protective gloves/ eye protection/ face protection

**Other Hazards**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
Thiourea, 2-propenyl- 109-57-9	EEC No. 203- 683-5	>100	109-57-9	T;R25	Acute Tox. 3 (H301)	-

**For the full text of the R phrases mentioned in this Section, see Section 16**
**4. FIRST AID MEASURES**
**Description of first aid measures**
**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Obtain medical attention

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes Get medical attention immediately if symptoms occur

**Ingestion**

Do not induce vomiting Call a physician or Poison Control Center immediately

**Inhalation**

Move to fresh air If breathing is difficult, give oxygen Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device Obtain medical attention

**Notes to Physician**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES**
**Extinguishing media**
**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

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**Extinguishing media which must not be used for safety reasons**

No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear Thermal decomposition can lead to release of irritating gases and vapors

**6. ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation.

**Environmental precautions**

Should not be released into the environment.

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

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

Wear personal protective equipment Ensure adequate ventilation Avoid dust formation Do not breathe vapors/dust Do not get in eyes, on skin, or on clothing Do not ingest

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

Keep containers tightly closed in a dry, cool and well-ventilated place

**Specific End Uses**

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)**

No information available.

**Exposure controls**

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers are close to the workstation location

**Personal protective equipment**

**Eye Protection**

Safety glasses with side-shields

**Hand Protection**

Protective gloves

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Skin and body protection**  
**Respiratory Protection**

Wear appropriate protective gloves and clothing to prevent skin exposure  
 Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures**  
**Environmental exposure controls**

Handle in accordance with good industrial hygiene and safety practice  
 No information available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Beige
<b>odor</b>	No information available
<b>pH</b>	6.5 67 g/l aq.sol.
<b>Boiling Point/Range</b>	No information available.
<b>Melting Point/Range</b>	70 - 78°C / 158 - 172.4°F
<b>Decomposition temperature</b>	> 100°C
<b>Flash Point</b>	No information available.
<b>Autoignition Temperature</b>	No information available.
<b>Water Solubility</b>	67 g/l (20°C)
<b>Molecular Formula</b>	C4 H8 N2 S
<b>Molecular Weight</b>	116.18

### 10. STABILITY AND REACTIVITY

Reactivity
Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions
**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Hazardous Reactions .**

None under normal processing..

Conditions to Avoid

Incompatible products, Excess heat, Avoid dust formation.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

 Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides.

### 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

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**11. TOXICOLOGICAL INFORMATION**

Acute Toxicity

**Product Information**

**Component Information**

**Component**

Thiourea, 2-propenyl-

LD50 Oral	LD50 Dermal	LC50 Inhalation
200 mg/kg ( Rat )		

Chronic Toxicity

**Carcinogenicity**

There are no known carcinogenic chemicals in this product

**Sensitization**

No information available.

**Mutagenic Effects**

No information available

**Reproductive Effects**

No information available.

**Developmental Effects**

No information available.

**Target Organs**

None known.

**Other Adverse Effects**

See actual entry in RTECS for complete information The toxicological properties have not been fully investigated.

**Endocrine Disruptor Information**

None known

**12. ECOLOGICAL INFORMATION**

Toxicity

**Ecotoxicity effects**

Do not empty into drains

Persistence and degradability

No information available

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

Other adverse effects

No information available

**13. DISPOSAL CONSIDERATIONS**

Waste treatment methods

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**13. DISPOSAL CONSIDERATIONS**

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal

**14. TRANSPORT INFORMATION**

**IMDG/IMO**

**UN-No** 2811  
**Hazard Class** 6.1  
**Packing Group** III  
**Proper Shipping Name** TOXIC SOLID, ORGANIC, N.O.S.

**ADR**

**UN-No** 2811  
**Hazard Class** 6.1  
**Packing Group** III  
**Proper Shipping Name** TOXIC SOLID, ORGANIC, N.O.S.

**IATA**

**UN-No** 2811  
**Hazard Class** 6.1  
**Packing Group** III  
**Proper Shipping Name** TOXIC SOLID, ORGANIC, N.O.S.\*

**15. REGULATORY INFORMATION**

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

**International Inventories**

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Thiourea, 2-propenyl-	203-683-5	-		X	X	-	X	-	X	X	KE-29756 X

**Legend**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS** - European Inventory Lists
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- CHINA** - China Inventory of Existing Chemical Substances
- AICS** - Inventory of Chemical Substances
- KECL** - Existing and Evaluated Chemical Substances

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**Chemical Safety Assessment****16. OTHER INFORMATION****Text of R phrases mentioned in Section 2-3**

R25 - Toxic if swallowed

**Revision Date** 24-Nov-2010**Revision Summary** Not applicable**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet