

Safety Data Sheet


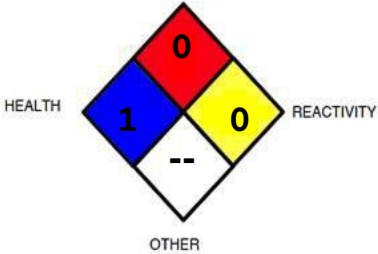
Section 1: Product & Company Identification

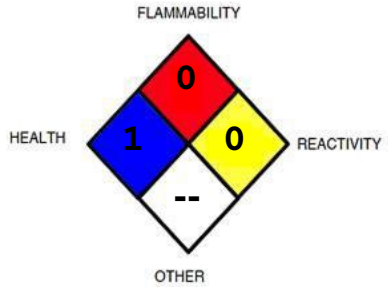
Product Name:	Propylthiouracil
Product #:	P-2433
Synonyms:	NSC 6498; NSC 70461; 6-n-Propylthiouracil; PTU; 2,3-dihydro-6-propyl-2-thioxo-4(1H)-pyrimidinone
Supplier:	AG Scientific Holdings, LLC 9950 Scripps Lake Drive, Suite 104 San Diego CA 92131 Tele# + 858-452-9925
Emergency Tele#:	ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585

Section 2: Composition / Information on Ingredients

Component	CAS#	EC #	% Composition
Propylthiouracil	51-52-5	200-103-2	100

Section 3: Hazards Identification

Symbols	
HMIS Classification	<p style="text-align: center;">FLAMMABILITY</p>  <p style="text-align: center;">OTHER</p>

NFPA Classification	
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Section 4: First Aid Measures

General Overview:	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin:	Generally the product does not irritate the skin.
Eyes:	Rinse opened eye for several minutes under running water.
Ingestion:	Immediately call a doctor.
	See section 11 for more detailed information on health effects & symptoms.

SECTION 5: Fire Fighting Measures

Flammability of the product:	Product is not flammable.
Extinguishing Media:	Use firefighting measures that suit the environment. A solid water stream may be inefficient.
Hazardous thermal (de)composition products:	No data available
Special Fire Fighting Procedures:	No data available
Flash Point:	No data available





Section 6: Accidental Release Measures

Personal Precautions:	Not required
Environmental Precautions:	Do not allow to enter sewers, surface water or groundwater.
Methods for Clean-up:	Dispose contaminated material as waste according to Section 13.

SECTION 7: Handling & Storage

Storage:	Store at -20°C.
Handling:	No special precautions are necessary if used correctly. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid prolonged or repeated exposure. Keep away from sources of ignition. Take precautionary measures against static discharge.

SECTION 8: Exposure controls / Personal Protection

Respiratory Protection:	 <p>In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.</p>
Skin and Body:	  <p>Protective gloves. The glove material must be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.</p>
Eyes:	 <p>Tightly sealed goggles.</p>

Ventilation/Engineering Measures:	No further data
Hygiene:	Handle in accordance with good industrial hygiene and safety practice.
Other:	Keep away from foodstuffs, beverages, and food. Wash hands before breaks and at the end of work. Store protective clothing separately.

SECTION 9: Physical and Chemical Properties

Appearance & Odor:	Crystalline solid
Formula	C ₇ H ₁₀ N ₂ OS
Molecular Wt.	170.2
Melting Pt.	218-220°C
Boiling Pt.	No data available
Density:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available
Vapor Density:	No data available
Solubility:	DMF: 12.5 mg/mL; DMF:PBS (pH 7.2) (1:5): 0.50 mg/mL; DMSO: 10 mg/mL; Ethanol: 2 mg/mL
Flash Point:	No data available
Autoignition Temp:	No data available

SECTION 10: Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous decomposition products:	Carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides
Materials to Avoid:	Strong bases
Conditions to avoid:	No data available

SECTION 11: Toxicological Information

RTECS#:	YR1400000
ACUTE Toxicity:	LD50 Oral = 1,250 mg/kg (Rat) TDLO Oral = 257 mg/kg (Man)
CHRONIC Toxicity:	N/A
Chronic Exposure: Carcinogen: Mutagen: Teratogen:	IARC: 2B AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.

Reproductive:	NTP: R OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA. EPA: No classification on carcinogenic data is available from EPA
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SECTION 12: Ecological Information

Ecotoxicity:	Water hazard class 2 (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
Mobility:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Corrosivity Characteristic:	No data available
General Notes:	No data available

SECTION 13: Disposal Considerations

Residue Waste or Unused product:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated Packaging:	Disposal must be made according to official regulations.

SECTION 14: Transportation Information

UN ID#:	N/A
ADR / RID (LAND):	Not regulated
DOT regulations:	Not regulated
IMDG/IMO (SEA):	Not regulated
IATA/DGR (AIR):	Not regulated
Special Provisions:	N/A

SECTION 15: Regulatory Information

Health Phrases:	H302 Harmful if swallowed. H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated exposure.
Risk Phrases:	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.

	<p>P260 Do not breathe dust/fume/gas/mist/vapors/spray. P264 Wash thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>
Safety Phrases:	<p>P301+P312 If swallowed: Call a poison center/doctor if you feel unwell. P330 Rinse mouth. P308+P313 IF exposed or concerned: Get medical advice/attention. P314 Get medical advice/attention if you feel unwell. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p>
EU Regulations:	N/A
US Regulations:	<p>TSCA: Propylthiouracil (CAS 51-52-5) California Proposition 65: Propylthiouracil (CAS 51-52-5)</p>
U.S. Federal Regulations:	<p>SARA 302/304/311/312 extremely hazardous substances: No products were found SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: No products were found. SARA 311/312 MSDS distribution-chemical inventory-hazard identification: No products were found. SARA 313 toxic chemicals notification and release reporting: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean Air Act (CAA) 112 accidental release prevention: No products were found. Clean Air Act (CAA) 112 regulated flammable substances: No products were found. Clean Air Act (CAA) 112 regulated toxic substances: No products were found. OSHA: No products were found.</p>
WHMIS (Canada):	N/A

SECTION 16: Other Information

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