

Safety (MSDS) data for 6-N-propyl-2-thiouracil



General

Synonyms: 4-hydroxy-2-mercapto-6-propylpyrimidine, 6-propyl-2-thio-2,4(1H,3H)pyrimidinedione, propylthiouracil, 6-propyl-2-thiouracil, 6-propylthiouracil, 2-mercapto-6-propylpyrimid-4-one, procasil, propacil, propycil, prothyran, PTU, prothiurone, prothycil, protiural, propyl-thiorist, thyreostat II

Use: antithyroid agent

Molecular formula: $C_7H_{10}N_2OS$

CAS No: 51-52-5

EINECS No:

Physical data

Appearance: white powder

Melting point: 219 - 221 C

Boiling point:

Vapour density:

Vapour pressure:

Density ($g\ cm^{-3}$):

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: slight

Stability

Stable. Combustible. Incompatible with strong oxidizing agents, strong acids, strong bases. Light sensitive.

Toxicology

Harmful if swallowed, inhaled or absorbed through the skin.

Toxicity data

(The meaning of any toxicological abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 1980 mg kg⁻¹

IPR-RAT LDLO 400 mg kg⁻¹

ORL-WMN TDLO 900 mg kg⁻¹ /21w-i

Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R20 R21 R22.

Transport information

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

Non-hazardous for air, sea and road freight.

Personal protection

Safety glasses. Do not breathe dust.

Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

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This information was last updated on March 11, 2005. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.
