



# Product Specification

cdhfinechemical.com

## THIOPHENOL FOR SYNTHESIS

PRODUCT CODE	024230
SYNONYMS	Phenyl mercatan, Mercaptobenzene
C.I. NO.	N/A
CASR NO.	108-98-5
ATOMIC OR MOLECULAR FORMULA	C <sub>6</sub> H <sub>6</sub> S
ATOMIC OR MOLECULAR WEIGHT	110.18
PROPERTIES	Combustible



### PARAMETER

### LIMIT

Description	A clear & colourless liquid with unpleasant odour.
Solubility	Soluble in alcohol, ether & benzene. Insoluble in water.
Identification (By FTIR)	Conforms.
Minimum assay (By GC)	98.0%
Wt. per ml at 20°C	1.077 – 1.079 g

**Note(s) :** Assay (if applicable) method mentioned.

### DANGER

**HAZARD STATEMENTS :** May cause respiratory irritation. May cause drowsiness and dizziness. Highly flammable liquid and vapour. Fatal if inhaled. Fatal if swallowed. Toxic in contact with skin. Causes serious eye irritation

### PRECAUTIONARY STATEMENTS

**Prevention :** Wash hands thoroughly after handling. Ground/bond container and receiving equipment. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/clothing. Wear respiratory protection. Use only outdoors or in a well ventilated area. Wear protective gloves and eye/face protection. Use explosion-proof electrical/ventilating/lighting/equipment. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge

**Response :** If eye irritation persists, get medical advice/attention. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye/face protection. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Gently wash with plenty of soap and water. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction. Remove/Take off immediately all contaminated clothing. Wash/Decontaminate removed clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

**Disposal:** Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large quantities of running water. Mixed with reducing agent such as sodium thiosulphate or sodium sulphite and small amount of water and reaction is accelerated by dilute H<sub>2</sub>SO<sub>4</sub>. After neutralization material can be washed off. Salts which are acidic in aqueous solns. are, if necessary, first mixed with sodium bicarbonate or carbonate powder, dissolved in plenty of water and usually disposed off into waste water in naturalized form. Maximum permissible concentration should be observed

Hazard Pictogram(s) :-



Flammable liquids



Acute toxicity

IMDG Code : 6.1/I  
UN No. : 2337  
IATA : 6.1