

### SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-ED-00055
Product Name	Promazine
CAS No.	58-40-2
Category	API
Synonyms	Not available
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Acute toxicity (Category 4)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

#### Precautionary Statement(s)

Code	Statement
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P270	Not available
P272	Not available
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P317	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P321	Specific treatment (see ... on this label).
P330	Not available
P333+P317	Not available
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Not available
P501	Dispose of contents/container in accordance with local/regional/national/international regulation

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Promazine

CAS Number : 58-40-2

Molecular Formula : C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>S

Molecular Weight : 284.4

Parent Chemical : Promazine

Synonyms : Not available

Concentration : Not available

### SECTION 4: First aid measures

Not available

### SECTION 5: Firefighting measures

Not available

### SECTION 6: Accidental release measures

Not available

## SECTION-7: Handling and storage

Not available

## SECTION 8: Exposure controls / personal protection

Not available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available

Property	Value
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

### SECTION 10: Stability and reactivity

Not available

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- Acute toxicity: LD50: 140 mg/kg (Intraperitoneal, Mouse) HIGH DOSES...FOR PROLONGED PERIODS...STAR-SHAPED OPACITIES...IN ANTERIOR PORTION OF LENS...VISUAL IMPAIRMENT...EPITHELIAL KERATOPATHY, LACRIMATION...PIGMENTARY RETINOPATHY /CHRONIC TOXICITY, HYDROCHLORIDE/
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: LONG-TERM ADMIN OF HIGH DOSES...MAY RESULT IN PIGMENT DEPOSITIONS IN...BODY TISSUES...BRAIN, HEART, LIVER, KIDNEYS, RETINA..CORNEA /& SKIN, USUALLY YELLOWISH-BROWN BUT MAY BECOME GREYISH-PURPLE/. OCULAR CHANGES...DEPOSITION OF FINE PARTICULATE MATTER IN LENS & CORNEA /CHRONIC TOXICITY, HYDROCHLORIDE/
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: NONE OF PHENOTHIAZINES WAS MUTAGENIC IN DARK. MUTAGENICITY WAS OBSERVED ONLY IN STRAINS OF SALMONELLA TYPHIMURIUM THAT LACKED EXCISION REPAIR OF DNA & MUTAGENICITY WAS ELEVATED IN STRAINS WITH PLASMID PKM101.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: HIGH DOSES...FOR PROLONGED PERIODS...STAR-SHAPED OPACITIES...IN ANTERIOR PORTION OF LENS...VISUAL IMPAIRMENT...EPITHELIAL KERATOPATHY, LACRIMATION...PIGMENTARY RETINOPATHY /CHRONIC TOXICITY, HYDROCHLORIDE/ LONG-TERM ADMIN OF HIGH DOSES...MAY RESULT IN PIGMENT DEPOSITIONS IN...BODY TISSUES...BRAIN, HEART, LIVER, KIDNEYS, RETINA..CORNEA /& SKIN, USUALLY YELLOWISH-BROWN BUT MAY BECOME GREYISH-PURPLE/. OCULAR CHANGES...DEPOSITION OF FINE PARTICULATE MATTER IN LENS & CORNEA /CHRONIC TOXICITY, HYDROCHLORIDE/
- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- Promazine is an antagonist at types 1, 2, and 4 dopamine receptors, 5-HT receptor types 2A and 2C, muscarinic receptors 1 through 5, alpha(1)-receptors, and histamine H1-receptors. Promazine's antipsychotic effect is due to antagonism at dopamine and serotonin type 2 receptors, with greater activity at serotonin 5-HT<sub>2</sub> receptors than at dopamine type-2 receptors. This may explain the lack of extrapyramidal effects. Promazine does not appear to block dopamine within the tubero-infundibular tract, explaining the lower incidence of hyperprolactinemia than with typical antipsychotic agents or risperidone. Antagonism at muscarinic receptors, H1-receptors, and alpha(1)-receptors also occurs with promazine.

### SECTION 12: Ecological information

Not available

### SECTION 13: Disposal considerations

Not available

### SECTION 14: Transport information

Not available

### SECTION 15: Regulatory information

Not available

### SECTION 16: Other information

Not available

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