



## Material Safety Data Sheet

### Azure C ( N-Methylthionine)

#### SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name	: N-Methylthionine
Molecular Formula	: C <sub>13</sub> H <sub>12</sub> ClN <sub>3</sub> S
Molecular Weight	: 277.77 g/mol.
CAS No.	: 531-57-7

#### SECTION: 1.2 – COMPANY IDENTIFICATION

**Company Name:** Indenta Chemicals (India) Pvt. Ltd.

**Address:** 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

**Telephone #:** +91-22-26849600

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#### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
N-Methylthionine	531-57-7	100

**Toxicological Data on Ingredients:** Not Available.

#### SECTION 3: HAZARD IDENTIFICATION

##### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

##### Label elements

Not a hazardous substance or mixture.

##### Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### SECTION 4: FIRST AID MEASURES

##### Description of first aid measures

###### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

###### In case of skin contact

Wash off with soap and plenty of water.

###### In case of eye contact

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

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## SECTION 5: FIRE AND EXPLOSION DATA

**Extinguishing media**

**Suitable extinguishing media**

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

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

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Hydrogen chloride gas

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Avoid dust formation. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

**Environmental precautions**

No special environmental precautions required.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

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## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non Combustible Solids

**Specific end use(s)** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

**Control parameters**

**Exposure controls**

**Appropriate engineering controls**

General industrial hygiene practice.

**Personal protective equipment**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Control of environmental exposure**

No special environmental precautions required

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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#### **Information on basic physical and chemical properties**

**a) Appearance Form:** powder

**b) Odour** No data available

**c) Odour Threshold** No data available

**d) PH** No data available

**e) Melting point/freezing point Melting point/range:** 290 °C

**f) Initial boiling point and boiling range** No data available

**g) Flash point** No data available

**h) Evaporation rate** No data available

**i) Flammability (solid, gas)** No data available

**j) Upper/lower flammability or explosive limits** No data available

**k) Vapour pressure** No data available

**l) Vapour density** No data available

**m) Relative density** No data available

**n) Water solubility** No data available

**o) Partition coefficient:** No data available

**p) Auto-ignition temperature** No data available

**q) Decomposition temperature** No data available

**r) Viscosity** No data available

**s) Explosive properties** No data available

**t) Oxidizing properties** No data available

### **SECTION 10: STABILITY AND REACTIVITY**

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#### **Reactivity**

No data available

#### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of hazardous reactions**

No data available

#### **Conditions to avoid**

No data available

#### **Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas

**Other decomposition products** - No data available

**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Information on toxicological effects**

**Acute toxicity**

No data available 3-Amino-7-methylaminophenothiazin-5-ium chloride

**Skin corrosion/irritation**

No data available (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**Serious eye damage/eye irritation**

No data available (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**Respiratory or skin sensitisation**

No data available (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**Germ cell mutagenicity**

Hamster(3-Amino-7-methylaminophenothiazin-5-ium chloride) ovary

**Cytogenetic analysis**

**Carcinogenicity**

**IARC:** No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**Specific target organ toxicity - single exposure**

No data available (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**Additional Information**

**RTECS:** SP5680000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**SECTION 12: ECOLOGICAL INFORMATION**

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**Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available (3-Amino-7-methylaminophenothiazin-5-ium chloride)

**Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and Toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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