

NICE SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Catalogue No	:	T 11509
Product Name	:	Thiamine hydrochloride
Manufacutre / Supplier Identification Company	:	Nice Chemicals (P) Ltd., PB No: 2217, Manimala Road, Edappally, Kochi - 682 024, Kerala, India.
Contact for Information	:	Tel: 91-484-2800212, 2802755, 2802536, 2801583 Fax : 0484 2802483
Emergany Telephone No	:	0484 2801583
TeleFax No	:	0484 2802483

2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms	:	Aneurine hydrochloride Vitamin B1hydrochloride
CAS - No	:	67-03-8
Molar Mass	:
Molecular weight	:	337.27 g/mol
Molecular Formula	:	C ₁₂ H ₁₇ CIN ₄ OS · HCl
EC - INDEX No	:
EC - No	:	200-641-8

3 HAZARDS IDENTIFICATION

Classification of the substance or mixture	:	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.
Label Elements	:	The product does not need to be labelled in accordance with EC directives or respective national laws.
Other Hazards	:	none

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4 FIRST AID MEASURES

General advice	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
After Inhalation	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
After skin contact	:	Wash off with soap and plenty of water. Consult a physician.
After eye contact	:	Flush eyes with water as a precaution.
After swallowing	:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
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

5 FIRE - FIGHTING MEASURES

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 (NOx), Sulphur oxides, Hydrogen chloride gas
Advice for firefighters	:	Wear self contained breathing apparatus for fire fighting if necessary.
Further Information	:	No data available.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust. For personal protection see section 8.
Environmental-protection	:	Do not let product enter drains.



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Methods and materials for containment and cleaning up	:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	:	For disposal see section 13.

7 HANDLING AND STORAGE

Precautions for safe handling	:	Avoid formation of dust and aerosols. 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. Hygroscopic. Light sensitive.
Specific end users	:	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter

Components with workplace control parameters

Exposure Controls

Appropriate engineering controls	:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
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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.



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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 levels of dusts are desired, use type N95 (US) or type P1 (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 : Do not let product enter drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Form	: solid
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Melting Point/Freezing point	:	Melting point/range: 250 °C
Initial Boiling point and boiling range	:	No data available
Flash Point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available

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Upper/lower flammability or explosive limits	:	No data available
Vapour Pressure	:	No data available
Vapour Density	:	No data available
Relative density	:	No data available
Water solubility	:	No data available
Partition coefficient: noctanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Other Safety information	:	No data available

10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	No data available
Conditions to be avoid	:	No data available
Incompatible materials	:	Strong oxidizing agents
hazardous decomposition products	:	Other decomposition products - no data available

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11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity	:	LD50 Oral - rat - 3.710 mg/kg Remarks: Peripheral Nerve and Sensation: Spastic paralysis with or without sensory change. Behavioral: Tremor. Lungs, Thorax, or Respiration: Other changes.
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Further toxicological Information

Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitisation	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	IARC: No component 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
Specific target organ toxicity - single exposure	:	No data available
Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	No data available
Additional Information	:	RTECS: XI7350000 Exposure to high concentrations can cause: Nausea, Tightness of, Throat., Itching, Weakness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12 ECOLOGICAL INFORMATION

Toxicity	:	No data available
Persistence and degradability	:	No data available

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Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available
Results of PBT and vPvB assessment	:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects	:	No data available

13 DISPOSAL METHOD

Waste treatment methods

Product	:	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	:	Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number	:	ADR/RID: -	IMDG: -	IATA: -
UN Proper shipping name	:	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods		
Transport hazard class(es)	:	ADR/RID: -	IMDG: -	IATA: -
Packaging group	:	ADR/RID: -	IMDG: -	IATA: -
Environmental group	:	ADR/RID: no IMDG Marine pollutant: no IATA: no		
Special precautions for user	:	No data available		

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15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture : No data available

Chemical safety assessment : For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.