

NICE **SAFETY DATA SHEET**

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

Catalogue No : M 12109

Product Name : Mercurous nitrate

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.,**
PB No: 2217, Manimala Road,
Edappally, Kochi - 682 024, Kerala, India.

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms :

CAS - No : 14836-60-3

Molar Mass :

Molecular Weight : 100%

Molecular Formula : HgNO₃.xH₂O

EC - INDEX No :

EC - No :

3 HAZARDS IDENTIFICATION

Potential Acute Health Effects : Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of eye contact(irritant), of inhalation. Slightly hazardous in case of skin contact (permeator). Prolonged exposure may result in skin burns and ulcerations. Over-exposure by inhalation may cause respiratory irritation. Severe over-exposure can result in death.

Potential Chronic Health Effects : CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

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DEVELOPMENTAL TOXICITY: Not available.
The substance is toxic to blood, kidneys, lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

4 FIRST AID MEASURES

After Inhalation : Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

After skin contact : After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

After eye contact : Check for and remove any contact lenses. Do not use eye ointment. Seek medical attention.

After swallowing : No data available.

Ingestion : Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Most Important symptoms and effects, both acute and delayed : To the best of our knowledge, the chemical, physicals, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed : no data available

5 FIRE - FIGHTING MEASURES

Suitable extinguishing media : No data available.

Products of combustion : No data available.

Explosion Hazards in presence of various substances : Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

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Fire Fighting Media and Instruction : No data available.

Further Information : No data available.

6 ACCIDENTAL RELEASE MEASURES

Small Spill : Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill : Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material (wood, paper, oil, clothing..). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined area; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7 HANDLING AND STORAGE

Precautions for safe handling : Keep locked up keep away from heat. Keep away from sources of ignition. Keep away from combustible material Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment if ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities : Keep container tightly closed. Keep in a cool, well - ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Specific end users : no data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter : Compnents with workplace control parameters

Exposure Controls

Appropriate engineering controls : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protection : Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/caerfified respirator or equivalent. Gloves.

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Personal Protection in case of a Large Spill : Splash goggles. Full suit. Dust respirator. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance **Form** : Solid
Colour : Not available

Odour : No data available

Odour Threshold : No data available

pH : No data available

Melting Point/Freezing point : 70 °C (158 °F)

Initial Boiling point and boiling range : No data available

Flash Point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available

Vapour Pressure : Not applicable

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

Viscosity : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Other Safety information : No data available

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10 STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : The product is stable

Conditions to be avoided : No data available

Substance to be avoided : No data available

Hazardous decomposition products : Other decomposition products - No data available

Possibility of hazardous reactions : No data available

Incompatibility with various substances : No data available

11 TOXICOLOGICAL INFORMATION

Acute Toxicity : No data available

Further toxicological Information

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.

Eye Irritation test (rabbit) : No data available

Respiratory or skin Sensitization : No data available

Germ cell mutagenicity : No data available

After Inhalation : No data available

After Skin contact : No data available

After swallowing : No data available

After swallowing of large amounts : No data available

Further data : No data available

Reproductive toxicity : No data available

Specific target organ toxicity-single exposure : No data available

Specific target organ toxicity-repeated exposure : No data available

Signs and symptoms of Exposure : No data available

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Other Toxic Effects on Humans	:	Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator).
Additional Information	:	RTECS: Not available

12 ECOLOGICAL INFORMATION

Toxicity	:	No data available
Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available
Results of PBT and vPvB assessment	:	No data available
Other adverse effects	:	No data available

13 DISPOSAL METHOD

Waste treatment methods

Product	:	No data available
Contaminated packaging	:	No data available

14 TRANSPORT INFORMATION

DOT Classification	:	CLASS 6.1 : Poisonous material.
Identification	:	Mercurous nitrate : UN 1627 PG: II
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: - IMDG: Marine pollutant IATA: -

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Special precaution for user : No data available

15 REGULATORY INFORMATION

This safety datasheet compiles 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 : No data available

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.