



SAFETY DATA SHEET

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

Catalogue No : T 19904

Product Name : Trypsin
Nice Chemicals (P) Ltd.,

Manufacture / Supplier Identification Company : PB No: 2217, Manimala Road, Edappally,
Kochi - 682 024, Kerala, India.

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : Parenzyme; Paenzymol; Tryptar; Trypure; Trypsin
1:100

CAS - No : 9002-07-7

Molar Mass :

Molecular Weight : 100%

Molecular Formula :

EC - INDEX No :

EC - No :

3 HAZARDS IDENTIFICATION

Potential Acute Health Effects : Hazardous in case of eye contact (irritant), of
inhalation (lung irritant, lung sensitizer). Slightly
hazardous in case of skin contact (irritant), of
ingestion.

Potential Chronic Health Effects : CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Mutagenic for
mammalian somatic cells. TERATOGENIC
EFFECTS: Not available. DEVELOPMENAL
TOXICITY: Not available. The substance may be
toxic to lungs. Repeated or prolonged exposure to
the substance can produce target organs damage.



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4 FIRST AID MEASURES

- After Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- After skin contact : In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- After eye contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
- After swallowing : No data available
- Ingestion : DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
- Indication of any immediate medical attention and special treatment needed : no data available

5 FIRE - FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special hazards arising from the substance or mixture : No data available
- Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.
- Further Information : The product itself does not burn

6 ACCIDENTAL RELEASE MEASURES

- Small Spill : Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local regional authority requirements.



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Large Pill : Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7 HANDLING AND STORAGE

Precautions for safe handling : Keep locked up. Keep away from sources of ignition. Do not ingest. Do not breathe dust. Avoid contact with eyes. 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. Keep away from incompatibles such as oxidizing agents.

Conditions for safe storage, including any incompatibilities : Keep container tightly closed. Keep container in a cool, well-ventilated area. Although it is stable at room temperature, it is preferable to store it between 0 to 5 degree C in order to reduce deterioration.

Specific end users : no data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter : Components 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/certified 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 (Crystalline solid. Amorphous solid powder.)
Colour : White to yellowish. White to light Tan or Beige

Odour : Odorless

Odour Threshold : No data available

pH : No data available

Melting Point/Freezing point : No data available

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 : No data available

Vapour Density : No data available

Relative density : No data available

Water solubility : Soluble in cold and hot water.

Partition coefficient: octanol/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 : No data available
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
incompatible materials : Reactive with oxidizing agent

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
Additional Information : RTECS: Not available



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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 : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14 TRANSPORT INFORMATION

DOT Classification : Not a DOT controlled material (United States).
Identification : Not applicable.

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 IMDGMarine pollutant: no
IATA: -no

Special precaution for user : No data available



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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.