



SAFETY DATA SHEET

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

Catalogue No : P 16104

Product Name : Pepsin

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 : Pepsin 1:3,000

CAS - No : 9001-75-6

Molar Mass :

Molecular Weight :

Molecular Formula :

EC - INDEX No :

EC - No :

3 HAZARDS IDENTIFICATION

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

Potential Chronic Health Effects : CARCINOGENIC EFFECTS: Not available.
MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.
Repeated or prolonged exposure is not known to aggravate medical condition.

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.



SAFETY DATA SHEET

Catalogue No : **P 16104**
Product Name : **Pepsin**

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. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

After swallowing : No data available.

Most Important symptoms and effects, both acute and delayed : To the best of our knowledge, the chemical, physicals, and toxicological propoerties have not been throughly 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

Fire Fighting Media and Instruction : SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

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.Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill : 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.



SAFETY DATA SHEET

Catalogue No : P 16104
Product Name : Pepsin

7 HANDLING AND STORAGE

Precautions for safe handling : Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible.

Conditions for safe storage, including any incompatibilities : Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 5°C (41°F)

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 enclosure, 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 : Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent.

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. (Powdered solid.)
Colour : White to yellowish

Odour : No data available

Odour Threshold : No data available

pH : No data available

Catalogue No	:	P 16104
Product Name	:	Pepsin

Melting Point/Freezing point	:	Decomposes
Initial Boiling point and boiling range	:	No data available
Flash Point	:	No data available
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	:	Easily soluble in cold water.
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

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
Corrosivity	:	Non-corrosive in presence of glass.

Catalogue No	:	P 16104
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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

Other Toxic Effects on Humans : Hazardous in case of inhalation (lung irritant, lung sensitizer). Slightly hazardous in case of skin contact (irritant), of ingestion.

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

Catalogue No	:	P 16104
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13 DISPOSAL METHOD**Waste treatment methods**

Waste Disposal	:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Product	:	No data available
Contaminated packaging	:	No data available

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: - pollutant: IMDGMarine IATA: -
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.