

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

Catalogue No : C 17009

Product Name : Chitin Purified

Manufacture / 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,  
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**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Molecular Formula :  $(C_8H_{13}NO_5)_n$

Synonyms : .....

CAS - No : 1398 - 61 - 4

Molar Mass : .....

Molecular weight : .....

EC - INDEX No : .....

EC - No : .....

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**3 HAZARDS IDENTIFICATION****Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008  
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

**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.
If inhaled	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	:	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	:	Flush eyes with water as a precaution
If swallowed	:	Do NOT induce vomiting. 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	:	No data available
Indication of any immediate medical attention and special treatment needed	:	No data available

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**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)
Advice for firefighters	:	Wear self contained breathing apparatus for fire fighting if necessary.
Further Information	:	No data available.

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**6 ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	:	Avoid dust formation. Avoid breathing vapors, mist or gas
Environmental-protection	:	Do not let product enter drains.
Methods and materials for containment and cleaning up	:	Sweep up and shovel. Keep in suitable, closed containers for disposal
Reference to other sections	:	For disposal see section 13.

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**7 HANDLING AND STORAGE**

Precautions for safe handling	:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Conditions for safe storage, including any incompatibilities	:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Specific end users	:	No data available

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**8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameter****Components with workplace control parameters****Exposure Controls**

Appropriate engineering controls	:	General industrial hygiene practice.
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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).
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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.

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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	:	No data available

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance		<b>Form</b> : Powder <b>Colour</b> : No data available
Odour	:	No data available
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	:	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

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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

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**10 STABILITY AND REACTIVITY**

Reactivity	:	No data available
Chemical stability	:	No data available
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	:	No data available
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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

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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
<b>Potential health effects</b>		
Inhalation M	:	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	:	May be harmful if swallowed.
Skin	:	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	:	May cause eye irritation.
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

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## 13 DISPOSAL METHOD

### Waste treatment methods

Product	:	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	:	Dispose of as unused product.

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**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	:	No data available

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**16 OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge