

CAS No: 9012-76-4 MSDS

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product form	: Substance	
	:	
CAS No	: 9012-76-4	
Product code	: 02697	
Chemical structure	: HO	
Synonyms	: Deacetylated Chitin,Poly(D-glucosamine)	
1.2. Relevant identified uses of the su	ubstance or mixture and uses advised against	
1.2.1. Relevant identified uses		
Use of the substance/mixture	: Laboratory chemicals, Manufacture of substances	
1.2.2. Uses advised against		
No additional information available		
1.3. Details of the supplier of the safe	ity data shoot	
LOBA CHEMIE PVT.LTD.	ty uata sheet	
107 Wode House Road, Jehangir Villa, Colaba		
400005 Mumbai - INDIA T +91 22 6663 6663 - F +91 22 6663 6699		
info@lobachemie.com - www.lobachemie.co	<u>m</u>	
1.4. Emergency telephone number		
Emergency number	: + 91 22 6663 6663 (9:00am - 6:00 pm)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC Not classified Safety Data Sheet

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients		
3.1. Substance		
Name	Product identifier	%
CHITOSAN-FROM SHRIMP SHELLS	(CAS No) 9012-76-4	100

Full text of R- and H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measu	res
First-aid measures after inhalation	: Assure fresh air breathing.
First-aid measures after skin contact	: Wash with plenty of soap and water.
First-aid measures after eye contact	: Rinse immediately with plenty of water.
First-aid measures after ingestion	: Rinse mouth out with water.
First-alu measures aller ingestion	
4.2. Most important symptoms and	d effects, both acute and delayed
No additional information available	
4.3. Indication of any immediate m	nedical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: Do not use extinguishing media containing water.
5.2. Special hazards arising from t	the substance or mixture
No additional information available	
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.

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SECTION 6: Accidental release measure	S
6.1. Personal precautions, protective	e equipment and emergency procedures
6.1.1. For non-emergency personnel Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders Protective equipment Emergency procedures	: Use personal protective equipment as required.: Stop release.
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contai	nment and cleaning up
Methods for cleaning up	: On land, sweep or shovel into suitable containers.
6.4. Reference to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid contact with skin and eyes.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, incl	uding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep container tightly closed. Store in original container.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/personal	protection
8.1. Control parameters	
No additional information available	

8.2. Exposure controls		
Hand protection	: Protective gloves	
Eye protection	: Chemical goggles or safety glasses	
Skin and body protection	: Wear suitable protective clothing	
Respiratory protection	: Wear respiratory protection	
SECTION 9: Physical and chemical properties		
9.1. Information on basic physical a	and chemical properties	
Physical state	: Solid	
Colour	: White to beige powder.	
Odour	: No data available	

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Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2.	Other information	
No add	itional information availa	able

SECTION 10: Stability and reactivity
10.1. Reactivity
No additional information available
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
Extremely high or low temperatures. Direct sunlight.
10.5. Incompatible materials
Oxidizing agent.
10.6. Hazardous decomposition products
No additional information available

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SECTION 11: Toxicological information

11.1. Information on toxicological ef	fects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information
12.1. Toxicity
No additional information available
12.2. Persistence and degradability
No additional information available
12.3. Bioaccumulative potential
No additional information available
12.4. Mobility in soil
No additional information available
12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal consideration	s
13.1. Waste treatment methods	
No additional information available	
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG /	IATA / ADN
14.1. UN number	· Natappliachta
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No.(IATA)	: Not applicable
UN-No.(ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
עוא Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

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14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea Not applicable

- Air transport

Not applicable

- Inland waterway transport Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

CHITOSAN-FROM SHRIMP SHELLS is not on the REACH Candidate List CHITOSAN-FROM SHRIMP SHELLS is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference	: Water hazard class (WGK) nwg, non-hazardous to water (Classification according to VwVwS, Annex 3; WGK No 2986)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

15.2. Chemical safety assessment No additional information available

SECTION 16: Other information

Safety Data Sheet

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product