

## Chitosan

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 14-Aug-2025  
Supersedes: 30-May-2018

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	Chitosan	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	No data available	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Chitosan	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	9012-76-4	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available		
<b>Product Form:</b>	Solid (Powder)		
<b>Product Use:</b>	Cosmetic use	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

Classification:	Not classified.		
Labeling:	Not a dangerous substance according to GHS.		
Hazard Pictograms:	None.		
Hazard Statements:	May cause mechanical irritation. Treat powder in eye as foreign object. Possible skin irritation or rash. Powder may aggravate pre-existing respiratory conditions or allergies. May accumulate on linings of the nose and lungs resulting in dryness and coughing.		
Precautionary Statements:	P233: Keep container tightly closed. P202: Do not handle until all safety precautions have been read and understood. P314: Get medical attention if you feel unwell. P363: Wash mechanical clothing before reuse.		
Potential Health Hazards:	Eyes: May cause mechanical irritation. Inhalation: May be an irritant. Skin: May be an irritant. Ingestion: No hazards expected.		
NFPA Ratings (704):	Health	0	Minimal
	Flammability	0	Minimal
	Reactivity	0	Minimal
	Specific Hazard	N/A	
HMIS Ratings:	Health	0	Minimal
	Flammability	0	Minimal
	Reactivity	0	Minimal
	Personal Protection	B	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Chitosan	9012-76-4	100%	Not Available

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration using a pocket type resuscitator. Call a physician immediately.
<b>Skin:</b>	Immediately remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
<b>Ingestion:</b>	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. This material does not present any known ingestion hazard.

## 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperatures. Use appropriate media (sprayed water jet, foam, dry powder, CO2) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained positive pressure NIOSH approved self-contained breathing apparatus and full protective clothing, including eye protection and boots. Water may be used to keep fire-exposed containers cool until fire is out.
<b>Specific hazards arising from the chemical:</b>	Keep away from oxidizing agents and avoid open flames. Product may ignite at temperatures in excess of 400°F. Depending on moisture content and particle size, airborne dust of product might explode in the presence of an ignition source. It is comparable to flour and wood dust. See also Stability and reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Avoid any uncontrolled release of material. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	The material may be vacuumed or collected for recovery disposal. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Keep container tightly closed and dry. Use good industrial hygiene and safety practices. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Store in cool, dry place away from open flames and strong oxidizing agents. Store away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Chitosan	Not established		
TWA: Time Weighted Average over 8 hours of work. TLV: Threshold Limit Value over 8 hours of work. REL: Recommended Exposure Limit PEL: Permissible Exposure Limit		STEL: Short Term Exposure Limit during x minutes. IDLH: Immediately Dangerous to Life or Health WEEL: Workplace Environmental Exposure Levels CEIL: Ceiling	

### Personal Protection:

<b>Eyes:</b>	Wear safety glasses.
<b>Inhalation:</b>	Wear dust mask with particle filter.
<b>Body:</b>	Wear suitable gloves (e.g. of PVC or nitrile rubber) and full protective clothing.
<b>Other:</b>	Use good personal hygiene practices. Generally adequate ventilation is recommended. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	Yellow	<b>Flammability:</b>	Undetermined
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	No data available	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Specific Gravity:</b>	No data available
<b>Melting/Freezing Point:</b>	No data available	<b>Water Solubility:</b>	Insoluble
<b>Relative Density:</b>	No data available	<b>Auto-Ignition Temperature:</b>	No data available

<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Metal Corrosion:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	No data available.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.
<b>Possible Hazardous Reactions:</b>	No data available.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available.
<b>Skin:</b>	No data available.
<b>Eyes:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Carcinogenicity:</b>	Not listed under NTP, IARC, OSHA, or GHS.
<b>Teratogenicity:</b>	No data available.
<b>Germ Cell Mutagenicity:</b>	No data available.
<b>Embryotoxicity:</b>	No data available.
<b>Specific Target Organ Toxicity:</b>	No data available.
<b>Reproductive Toxicity:</b>	No data available.
<b>Sensitization:</b>	No data available.
<b>Chronic Toxicity:</b>	No.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<b>Aquatic Vertebrate:</b>	No data available.
<b>Aquatic Invertebrate:</b>	No data available.
<b>Terrestrial:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>PBT and vPvB Assessment:</b>	No data available.
<b>Other Adverse Effects:</b>	No data available.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product. Regulations may vary by location.
<b>Product Containers:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container. Regulations may vary by location.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	PROPER SHIPPING NAME: SHELLS
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<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available.
<b>IMDG (International Maritime Dangerous Goods):</b>	No data available.
<b>IATA (International Air Transport Association):</b>	No data available.
<b>ICAO (International Civil Aviation Organization):</b>	No data available.

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	In compliance with TSCA inventory requirements for commercial purposes.
<b>OSHA Regulated Hazard:</b>	No.
<b>E C Classification:</b>	Non-applicable.
<b>SARA 312 Regulated Chemicals:</b>	No.
<b>SARA 313 Regulated Chemicals:</b>	No.
<b>EPA Registration Number:</b>	Non-applicable.
<b>California Prop. 65:</b>	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
<b>PA Right to Know:</b>	None known.
<b>NJ Right to Know:</b>	None known.
<b>Additional State Regulations:</b>	None known.
<b>Canada:</b>	Non-applicable.

## 16 OTHER INFORMATION

<b>Revision Date:</b>	14-Aug-2024
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.