

MATERIAL SAFETY DATA SHEET - MSDS

***Efficacious Ingredients \* Hygienically Stored & Processed \* Convenient Deliveries***

**Product Name:** Carrageenan - (Irish Moss)

**INCI:** Chondrus crispus - KOSHER

**CAS number:** 9000-07-1

**Recommended Use:** Raw Material For Topical Cosmetic Products

**Supplier:** Skin Foodie 21, Joel Ogunniake Street GRA, Ikeja Lagos, Nigeria

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**SECTION 1: GENERAL INFORMATION AND CHEMICAL PRODUCT IDENTIFICATION**

**Chemical Name CAS # 9000-07-1**

**SECTION 2: HARZARD INDENTIFICATION**

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Combustible dust

Label elements

Warning

May form combustible dust concentrations in air

Hazards not otherwise classified (HNOC)

Not applicable

Other hazards

May be harmful if inhaled

Precautionary Statements – Prevention

Keep away from all ignition sources including heat, sparks and flame. Keep container closed and grounded. Prevent dust accumulations to minimize explosion hazard.

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### SECTION 3: COMPOSITION OF INGREDIENT

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Component	Carrageenan
CAS No.	9000-07-1
Weight	100 %

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### SECTION 4: FIRST AID MEASURES

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#### First aid measures

General advice	National Capital Poison Center in the United States can aid if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops.
Eye contact	Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

#### Most important symptoms and effects, both acute and delayed

Symptoms	May cause eye/skin irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
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#### Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically
Protection of first aiders	First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

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## SECTION 5: EXPLOSION AND FIRE-FIGHTING MEASURES

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### Extinguishing Media

Suitable extinguishing media Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray, mist or foam.

Unsuitable extinguishing media No information available

Specific hazards arising from the chemical  
Hazardous combustion products Carbon monoxide. Carbon dioxide (CO<sub>2</sub>)

Specific hazards May be combustible at high temperatures. Avoid generating dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Specific protective actions for firefighters  
Specific methods No information available

Special protective equipment for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## SECTION 6: ACCIDENTAL RELEASE/SPILL PROCEDURES

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### Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Remove all sources of ignition. Avoid dust formation. Avoid dispersal of dust in the air. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Non-sparking tools should be used.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

### Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Use only non-sparking tools. Clean contaminated surface thoroughly.

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## SECTION 7: HANDLING AND STORAGE

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Precautions for safe handling Technical measures/precautions	Provide sufficient air exchange and/or exhaust in work rooms. Minimize dust generation and accumulation. Avoid dust formation. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. All equipment used when handling the product must be grounded. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from incompatible materials.
Safe handling advice	Wear protective personal equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, including any incompatibilities	
Technical measures/storage conditions	Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.
Incompatible materials	Oxidizing agents

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## SECTION 8: PERSONAL PROTECTION

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Control parameters	
National occupational exposure limits	
Product code	
Product name	Irish Moss
Component	Irish Moss
CAS No.	9000-07-1
OSHA	None
NIOSH	None
AIHA WEEL	None
ACGIH	None
Canada - Alberta	None
Canada - British Columbia	None
Canada - Ontario	None
Canada - Quebec	None
Australia	None
Mexico	None

## Appropriate engineering controls

### Engineering measures to reduce exposure

Ensure adequate ventilation. 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. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment). It is recommended that all dust control equipment as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

### Individual protection measures, such as personal protective equipment

#### Personal protective equipment

##### Eye protection

Goggles or safety glasses with side-shields

##### Skin and body protection

Long sleeved clothing; chemical resistant apron; gloves

##### Respiratory protection

Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

#### Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### Physical and chemical properties

#### Physical state

Solid

#### Appearance

No information available

#### Color

No information available

#### Odor

No information available

#### Taste

No information available

#### Formula

No information available

#### Molecular/Formula weight (g/mole)

No information available

#### Flammability (solid, gas)

No data available

#### Flashpoint

No information available

#### Flash point tested according

Not available

#### Autoignition temperature

No information available

#### Lower explosion limit (%)

No information available

#### Upper explosion limit

No information available

Melting point/range	Decomposes
Decomposition temperature	No information available
Boiling point/range	No information available
Bulk density	No information available
Density (g/cm <sup>3</sup> )	No information available
Specific gravity	No information available
pH	No information available
Vapor pressure @ 20 C (kPa)	No information available
Evaporation rate	No information available
Vapor density	No information available
VOC content (g/L)	No information available
Odor threshold (ppm)	No information available
Partition coefficient (n-octanol/water)	No information available
Viscosity	No information available
Miscibility	No information available
Solubility	No information available

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## SECTION 10: STABILITY AND REACTIVITY

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Reactivity	Reactive with oxidizing agents
Chemical stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Hazardous polymerization does not occur
Conditions to avoid	Heat, avoid dust formation. Dust may form explosive mixture in air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Incompatible materials.
Incompatible material	Oxidizing agents
Hazardous decomposition product	No information available
Corrosivity	No information available
Special remarks on corrosivity	No information available

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## SECTION 11: TOXICOLOGICAL INFORMATION

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Toxicological information	
Information on likely routes of exposure	
Principal routes of exposure	Inhalation. Ingestion.
Acute toxicity	
Component information	
Irish Moss	CAS No. 9000-07-1
LD50/oral/rat	5400 mg/kg Oral LD50 Rat
LD50/oral/mouse	No information available
LD50/dermal/rabbit	No information available
LD50/dermal/rat	No information available
LD50/inhalation/rat	No information available
LD50/inhalation/mouse	No information available
Other LD50 or LC50 information	No information available
Product information	
LD50/oral/rat	
Value toxicity	5400 mg/kg
LD50/oral/mouse	No information available
LD50/dermal/rabbit	No information available
LD50/dermal/rat	No information available
LC50/inhalation/rat	
Value-Vapor	No information available
Value-Gas	No information available
Value-Dust/Mist	No information available
LC50/inhalation/mouse	
Value-Vapor	No information available
Value-Gas	No information available
Value-Dust/Mist	No information available
Symptoms	
Skin contact	May cause skin irritation
Eye contact	May cause eye irritation
Inhalation	May cause respiratory tract irritation
Ingestion	Health injuries are not known or expected under normal use.
Aspiration hazard	No information available
Delayed and immediate effects as well as chronic effects from short and long-term exposure	
Chronic toxicity	No information available
Sensitization	No information available
Mutagenic effects	No information available
Carcinogenic effects	Not considered carcinogenic
IARC	Supplement 7 [1987]; Monograph 31 [1983]
ACGIH-Carcinogens	Not listed
NTP	Not listed
OSHA HCS-Carcinogens	Not listed
Australia-Notifiable Carcinogenic Substance	Not listed

Australia-Prohibited Carcinogenic Substanc	Not listed
Reproductive toxicity	No data available
Reproductive effects	No information available
Developmental effects	No information available
Teratogenic effects	No information available
Specific Target Organ Toxicity	
STOT-single exposure	No information available
STOT-repeated exposure	No information available
Target organs	No information available

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## SECTION 12: ECOLOGICAL INFORMATION

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Ecotoxicity	
Ecotoxicity effects	No data available
Persistence and degradability	No information available
Bioaccumulative potential	No information available
Mobility in soil	No information available
Other adverse effects	No information available

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## SECTION 13: DISPOSAL CONSIDERATIONS

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Disposal methods	
Waste from residues/unused products	Waste must be disposed of in accordance with federal, state, and local regulation.
Contaminated packaging	Empty containers should be taken for local recycling, recover or waste disposal.
RCRA-F Series Wastes	None
RCRA-K Series Wastes	None
RCRA-P Series Wastes	None
RCRA-U Series Wastes	None

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## SECTION 14: TRANSPORT INFORMATION

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DOT	
UN-No.	Not regulated
Proper shipping name	No information available
Hazard class	No information available
Subsidiary class	No information available
Packing group	No information available
Emergency Response Guide Number	No information available

Marine pollutant	No data available
DOT RQ (lbs)	No information available
Special provisions	No information available
Symbol(s)	No information available
Description	No information available
TDG (Canada)	
UN-No.	Not regulated
Proper shipping name	No information available
Hazard class	No information available
Subsidiary risk	No information available
Packing group	No information available
Marine pollutant	No information available
Description	No information available
ADR	
UN-No.	Not regulated
Proper shipping name	No information available
Transport hazard class(es)	No information available
Packing group	No information available
Subsidiary risk	No information available
IMDG	
UN-No.	Not regulated
Proper shipping name	No information available
Hazard class	No information available
Subsidiary risk	No information available
Packing group	No information available
Marine pollutant	No information available
RID	
UN-No.	Not regulated
Proper shipping name	No information available
Transport hazard class(es)	No information available
Subsidiary risk	No information available
Packing group	No information available
ICAO (air)	
UN-No.	Not regulated
Proper shipping name	No information available
Hazard class	No information available
Subsidiary risk	No information available
IATA	
UN-No.	Not regulated
Proper shipping name	No information available
Transport hazard class(es)	No information available
Subsidiary risk	No information available
Packing group	No information available
Precautionary Statements - Response	No information available
Special provisions	No information available

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## SECTION 15: REGULATORY INFORMATION

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International Inventories  
U.S. TSCA

Present ACTIVE

KOREA KECL	Present KE-14-0067
Philippines (PICCS)	Present
Japan ENCS	Not present
China IECSC	Present
Australia (AICS)	Present
EINECS-No.	Present 232-524-2
U.S. Regulations	
Massachusetts RTK	Present
Pennsylvania RTK	Special hazardous substance
Pennsylvania RTK - Special hazardous substance	Present
Minnesota - Hazardous Substance List	Present
FDA - Food Additives Generally Regarded	21 CFR 182.7255
FDA - 21 CFR - Total Food Additives - List sourced from EAFUS	
California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986	
Chemicals known to the State of California to cause cancer	This product does NOT contain a chemical requiring a warning under California Prop. 65.
Chemicals known to the State of California to cause reproductive toxicity	This product does not contain a chemical requiring a warning under California Prop. 65.
Developmental toxicity	Not listed
Male reproductive toxicity	Not listed
Female reproductive toxicity	Not listed
CERCLA/SARA	
CERCLA - Hazardous Substances and their Reportable Quantities	None
Section 302 Extremely Hazardous	None
Section 302 Extremely Hazardous Substance	None
Section 313 - Chemical Category	None
Section 313 - Reporting de minimis	None
U.S. TSCA	
TSCA Section 5(a)2 - Chemicals with Significant New Use Rules (SNURS)	Not applicable
TSCA 8(d) - Health and Safety Reporting Canada	Not applicable
WHIMIS 2015 - GHS Classifications	Not a dangerous product according to HPR classification criteria.
Canada Hazardous Products Regulation	This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the MSDS contains all of the information required by the HPR.
DSL/NDSL	
Canada (DSL)	Present
Canada (NDSL)	Not listed
CEPA Schedule I - Toxic Substances	Not listed
CEPA - 2010 Greenhouse Gases	Not listed
Subject	
EU Classification	EU GHS - SV- CLP 1272/2008

R-phrases(s)	Not determined (not applicable)
S-phrases(s)	None
Concentration limits	No information available
The product is classified in accordance with Annex VI to Directive 67/548/EEC	
Indication of danger	Not dangerous

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## SECTION 16: OTHER INFORMATION

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### DISCLAIMER

Technical information and suggestions for use including any formulations and / or procedures are believed to be correct. However, this does not constitute a guarantee of the accuracy of the information contained herein. Confirming tests in your own laboratory or facility are recommended. This information is for general research purposes only and is not a representation or warranty of any kind. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use. The information contained in this certificate of analysis and material safety data sheet are obtained from current and reliable sources. As the use(s) of this product is outside the control of skin foodie, no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained.

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