



SAFETY DATA SHEET

(according to (EC) 1907/2006)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier CASTORWAX® MP-70

Synonyms: Hydrogenated Castor Oil

1.2. Relevant identified uses of the substance or mixture and uses advised against

Manufacture of cosmetics and personal care products

1.3. Details of the supplier of the safety data sheet

Manufacturer Information: Vertellus Performance Materials,
Inc., 40 Avenue, Bayonne, NJ
07002 USA

Non-Emergency Fax Number:

336-854-4058

E-Mail Address:

msds@vertellus.com

Non-Emergency Phone Number: 336-292-1781

1.4. Emergency telephone number

Vertellus: 336-292-1781

CHEMTREC (USA): (800) 424-9300

(collect calls accepted); (Int'l): (703) 527-3887

(collect calls accepted; 011 prefix not needed)

SECTION 2: Hazards identification

HMIS Rating	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

2.1. Classification of the substance or mixture

(According to Regulation (EC) No 1272/2008)

Not classified as hazardous under this directive.

Signal Word:

Not required.

Hazard Precautions:

Not classified as hazardous under this directive.

2.2. Label elements

Prevention Precautions:



SAFETY DATA SHEET

Note: These precautionary statements are not prescribed by directive 1272/2008 as this product is not classified as hazardous under this directive. Wash hands thoroughly after handling with soap and water. Wear protective gloves, protective clothing, eye protection and face protection. If swallowed, in eyes, on skin or inhaled call a poison center or doctor/physician if you feel unwell. If inhaled, remove victim to fresh air and keep at rest in a comfortable position for breathing. Take off contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed.

First Aid Precautions:

Not required.

Storage Precautions:

Not required.

Disposal Precautions:

Not required.

Single Exposure Target Organs:

Not applicable

Repeated Exposure Target Organs:

Not applicable

(According to Directive 67/548/EEC)

Symbol: Not classified as hazardous under this directive.

Risk Phrases: Not classified as hazardous under this directive.

Safety Phrases: Not classified as hazardous under this directive.

2.3. Other hazards

Signs and Symptoms of Potential Overexposure: Exposure to fume from heated material may cause temporary irritation of nose, throat, and respiratory tract. Swallowing is not an expected route of occupational exposure. Not acutely toxic if swallowed. Swallowing the product may be irritating to the digestive tract; may cause nausea and diarrhea. Prolonged or repeated contact with the skin may cause mild irritation in some individuals. Direct contact with the eyes may cause mild irritation. O3EM_OVR1500

Primary Route(s) of Exposure: Inhalation. Ingestion. Skin contact. Eye contact. Skin contact, Eye contact.

Medical Conditions Aggravated by Exposure: Not available.

SECTION 3: Composition/information on ingredients

3.1. Substances or 3.2. Mixtures

Ingredient	CAS Number	Concentration (%)	EINECS / ELINCS	EU Symbol	Risk Phrases
Castor oil, hydrogenated	8001-78-3		232-292-2	N/A	Not applicable
Castor Oil	8001-79-4		232-293-8	N/A	Not applicable

NOTE: See Section 8 of this MSDS for exposure limit data for these ingredients.
See Section 15 of this MSDS for trade secret information (where applicable).
See Section 16 of this MSDS for the full text of the R-phrases above.



SAFETY DATA SHEET

SECTION 4: First aid measures

4.1. Description of first aid measures

- Skin Contact:** May cause skin irritation. Get medical attention if irritation develops or persists.
- Eye Contact:** Can cause slight irritation. Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician.
- Inhalation:** If exposed to excessive levels remove to fresh air and get medical attention if cough or other symptoms develop.
- Ingestion:** If swallowed, do not induce vomiting. Get prompt medical attention. Do not give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

- Acute:** Exposure to fume from heated material may cause temporary irritation of nose, throat, and respiratory tract. Swallowing is not an expected route of occupational exposure. Not acutely toxic if swallowed. Swallowing the product may be irritating to the digestive tract; may cause nausea and diarrhea. Prolonged or repeated contact with the skin may cause mild irritation in some individuals. Direct contact with the eyes may cause mild irritation. O3EM_OVR1500
- Delayed Effects:** None known.

4.3. Indication of any immediate medical attention and special treatment needed

- Thermal Exposure:** Not applicable.
- Note to Physician:** No additional first aid information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Appropriate Extinguishing Media:** Carbon dioxide Dry chemical Water spray Use alcohol resistant foam, carbon dioxide, or dry chemical.

5.2. Special hazards arising from the substance or mixture

- Hazardous Products of Combustion:** Toxic fumes and/or vapors may be released upon burning, but their composition has not yet been determined.
- Potential for Dust Explosion:** not available
- Special Flammability Hazards:** Material may burn, but does not ignite readily. Avoid high temperature.

5.3. Advice for firefighters

- Basic Fire Fighting Guidance:** Evacuate area and fight fire from a safe distance. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.
- Flammability Classification (OSHA):** Non-flammable

NFPA Rating

1
1 0

SAFETY DATA SHEET



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuation Procedures:	Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Special Instructions:	Remove all contaminated clothing to prevent further absorption. Decontaminate affected personnel using the first aid procedures in Section 4. Leather shoes that have been saturated must be discarded.

6.2. Environmental precautions

Prevent releases to soils, drains, sewers, and waterways.

6.3. Methods and material for containment and cleaning up

Containment Techniques and Clean-up Procedures:	For small spills, use suitable absorbent material and collect for later disposal.
Special Reporting Requirements:	Not applicable.

6.4. Reference to other sections

Refer to section 8 for information on selecting personal protective equipment. Refer to section 13 for information on spilled product, absorbent and clean up material disposal instructions.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for Unique Hazards:	Not applicable.
Practices to Minimize Risk:	Wear appropriate protective equipment when performing maintenance on contaminated equipment. Wash hands thoroughly before eating or smoking after handling this material.
Special Handling Equipment:	Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Storage Precautions & Recommendations:	Store in a dry area
Dangerous Incompatibility Reactions:	Oxidizing materials
Incompatibilities with Materials of Construction:	none known

7.3. Specific end use(s)

If a chemical safety assessment has been completed an exposure scenario is attached as an annex to this Safety Data Sheet. Refer to this annex for the specific exposure scenario control parameters for uses identified in subsection 1.2.

SAFETY DATA SHEET

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits (United States): OSHA PEL: Not established ACGIH TLV: Not established

8.2. Exposure controls

Also see the annex to this SDS (if applicable) for specific exposure scenario controls.

Personal Protective Equipment: Wear impervious gloves (i.e., latex rubber), boots, work uniform and safety glasses. Impermeable gloves and safety goggles should be worn at all times.

Respirator Caution: Observe OSHA regulations for respirator use (29 CFR 1910.134). Air-purifying respirators must not be used in oxygen-deficient atmospheres.

Ventilation: All operations should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Other Engineering Controls: All appropriate engineering controls should be used to minimize exposure potential. Use exhaust ventilation to keep airborne concentrations below exposure limits.

Thermal Hazards: Not applicable.

Additive or Synergistic Effects: None known.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance, State & Odor (ambient temperature):	Opaque, waxy solid with characteristic odor.		
Molecular Formula:	Not available.	Molecular Weight:	Not available.
Vapor Pressure:	Not available.	Evaporation Rate:	Not available.
Specific Gravity or Density:	0.98 25.000 77.000	Vapor Density (air = 1):	Not available.
Boiling Point:	Estimated > 300 °C	Freezing / Melting Point:	-20 °F 70 °C 158 °F
Solubility in Water:	Insoluble in water	Octanol / Water Coefficient:	Not available.
pH:	Not available.	Odor Threshold:	Not applicable
Viscosity:	Not available.	Autoignition Temperature:	Not available.
Flash Point and Method:	380°F (193°C) (Pensky-Martens Closed Cup)	Flammable Limits:	Not available. (LEL) – Not available. (UEL)

9.2. Other information

Not applicable.

SECTION 10: Stability and reactivity

SAFETY DATA SHEET

<u>10.1. Reactivity</u>	Not classified as dangerously reactive.
<u>10.2. Chemical stability</u>	Stable under normal conditions.
<u>10.3. Possibility of hazardous reactions</u>	Not expected to occur.
<u>10.4. Conditions to avoid</u>	Strong oxidizers.
<u>10.5. Incompatible materials</u>	Oxidizing materials
<u>10.6. Hazardous decomposition products</u>	Products of incomplete combustion may include CO, CO ₂ and dense smoke.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Oral LD ₅₀ :	Oral LD ₅₀ (rat) > 10000 mg/kg Oral LD ₅₀ (rat) > 5000 mg/kg
Acute Dermal LD ₅₀ :	Not available.
Acute Inhalation LC ₅₀ :	Not available.
Other Toxicity Data:	Draize score (rabbit) 0.25 Not applicable.
Skin Irritation:	Moderately irritating to skin.
Skin Sensitization:	No dermal reaction in 48 hour human patch test.
Eye Irritation:	Mildly irritating to eyes.
Target Organs:	Not applicable
Carcinogenicity:	No data available.
Teratogenicity:	Not available.
Reproduction:	Not applicable
Neurotoxicity:	No data available.
Mutagenicity:	Not available.
Additional Toxicity Information:	Eye irritancy, rabbit: 500 mg - mild Skin irritancy, rabbit: mild Skin irritancy, human (48 hour patch test): not irritating

SECTION 12: Ecological information

<u>12.1. Toxicity</u>	96 HR LC ₅₀ BRACHYDANIO RERIO > 10000 mg/L Not available.
<u>12.2. Persistence and degradability</u>	No data No data available.
<u>12.3. Bioaccumulative potential</u>	No data
<u>12.4. Mobility in soil</u>	No data



SAFETY DATA SHEET

12.5. Results of PBT and vPvB assessment Not available.
12.6. Other adverse effects No data available. Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

US EPA Waste Number: Non-Hazardous

Waste Classification: (per US regulations) Spent or discarded material is not expected to be a hazardous waste.
NOTE: Generator is responsible for proper waste characterization. State (USA) hazardous waste regulations may differ substantially from federal (USA) regulations.

Waste Disposal: Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable international, national, regional, state or local laws. Do NOT dump into any sewers, on the ground, or into any body of water. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. Note that disposal regulations may also apply to empty containers and equipment rinsates.

SECTION 14: Transport information

14.1. UN number Not applicable
14.2. UN proper shipping name Chemicals, n.o.s. (CASTORWAX® MP-70)
14.3. Transport hazard class(es) Not applicable
14.4. Packing group Not applicable
14.5. Environmental hazards Not applicable
14.6. Special precautions for user Not available.
NA Emergency Guidebook Numbers: Not applicable IMDG EMS: Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

OSHA Hazards: Possible Irritant. Not applicable.

WHMIS Classification: Not Controlled

Chemical Inventory Lists: Status
TSCA: Present
EINECS: 232-292-2



SAFETY DATA SHEET

Canada(DSL/NDSL):	232-293-8 DSL
Japan:	(8)-297; (8)-358
Korea:	KE-20143 KE-04979
Australia:	Present
New Zealand:	Present
China:	Present
Philippines:	Present
Switzerland:	Not Listed

New Zealand GHS Classification: Non classificato da questo paese.

Japan GHS Classification: Non classificato da questo paese.

Korea (MOL) GHS Classification: Non classificato da questo paese.

Australia GHS Classification: Non classificato da questo paese.

Taiwan GHS Classification: Non classificato da questo paese.

Indonesia GHS Classification: Non classificato da questo paese.

SARA 313: 15SARAH010
15STATE010

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Full text of R phrases in Section 3:



SAFETY DATA SHEET

Legend of abbreviations:

ACGIH = American Conference on Governmental Industrial Hygienists.
CAS = Chemical Abstracts Service.
CERCLA = Comprehensive Environmental, Response, Compensation and Liability Act (1990).
CFR = Code of Federal Regulations.
DSL/NDSL = Domestic Substances List/Non-Domestic Substances List.
EC = European Community.
EEC = European Economic Community.
EINECS = European Inventory of Existing Commercial chemical Substances.
ELINCS = European List of Notified Chemical Substances.
EU = European Union.
GHS = Globally Harmonized System.
LC = Lethal concentration.
LD = Lethal dose.
MOL = Ministry of Labor.
NEMA = National Emergency Management Agency.
NFPA = National Fire Protection Association.
NIOSH = National Institute of Occupational Safety and Health.
NTP = National Toxicological Program.
OSHA = Occupational Safety and Health Administration
PEL = Permissible exposure limit.
RQ = Reportable quantity.
SARA = Superfund Amendments and Reauthorization Act of 1986.
TLV = Threshold limit value.
WHMIS = Workplace Hazardous Materials Information System.

Precautionary Statement: Please note that the information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

Revision Date: Jan 08, 2011

Original Date of Issue: 18 April 1997

Issued By: Regulatory Management Department

Revision Details: Revised in all sections to GHS format.