



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Castor Wax Flakes
SUPPLIER NAME: Voyageur Soap & Candle Co. LTD
SUPPLIER ADDRESS: Unit 14 - 19257 Enterprise Wax
Surrey, B.C., V3S 6J8
TELEPHONE NUMBER: 1(800)758-7773

02. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS: As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

PRODUCT EFFECTS:
ADVERSE EFFECTS TO THE HUMAN HEALTH:

ACUTE:

SWALLOWED:

No adverse effects expected. Large oral doses may cause spasmodic intestinal or abdominal pain.

EYE:

Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops

SKIN:

Not expected to be a health hazard from skin exposure. May cause mild irritation and redness.

INHALED:

No adverse health effects expected from inhalation.

CHRONIC:

No information found.

TARGET ORGANS:

No data found.

TOXICOLOGICAL DATA ON INGREDIENTS:

Castor Wax Flakes: (800 -79-4)

03. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Castor Wax Flakes
CAS No.: 8001-79-4
Synonyms: Ricinus oil
Molecular weight: 933.4



04. FIRST AID MEASURES

EYE CONTACT:

Not expected to require first aid measures. Wash thoroughly with running water. Get medical advice if irritation develops.

SKIN CONTACT:

Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

INHALATION:

No adverse health effects expected from inhalation.

INGESTION:

If large amounts were swallowed, give water to drink and get medical advice.

05. FIRE FIGHTING MEASURES

FLAMMABILITY OF THE PRODUCT:

Non-flammable

AUTO IGNITION TEMPERATURE:

449° C (840° F)

FLASH POINTS:

229° C (444° F)

FLAMMABLE LIMITS:

Not applicable

PRODUCTS OF COMBUSTION:

Not available

FIRE HAZARDS IN PRESENCE OF

VARIOUS SUBSTANCES:

Not considered to be a fire hazard

EXPLOSION HAZARDS IN

FIRE FIGHT MEDIA AND INSTRUCTIONS:

Use any means suitable for extinguishing surrounding fire. Water or foam may cause frothing.

PROTECTIVE CLOTHING (FIRE):

Use protective clothing and breathing equipment appropriate for the surrounding fire.

SPECIAL REMARKS ON FIRE HAZARDS:

Not available.

SPECIAL REMARKS ON EXPLOSION HAZARDS:

Not considered to be an explosion hazard.

06. ACCIDENTAL RELEASE MEASURES

SPELL AND LEAK:

Ventilate area of leak or spill. Wear appropriate personal protective equipment. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inter material (e.g. vermiculite, dry sand, earth) and place in chemical waste container. Do not use combustible materials, such as saw dust. Small amounts of residue may be flushed to sewer with plenty of water.



7. HANDLING & STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Protect From excessive heat. Protect from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:	None established.
PERSONAL PROTECTION	
EYES:	Safety glasses and/or a full face shield where splashing is possible.
BODY:	Clean body-covering clothing.
RESPIRATORY:	Airborne exposure is not expected to be a problem under ordinary handling conditions Gloves
HANDS:	Not applicable
FEET:	In general, dilution ventilation is a satisfactory health hazard control for this substance. However. If conditions of use create discomfort to the worker, a local exhaust system should be considered.
VENTILATION SYSTEM:	

9. PHYSICAL & CHEMICAL PROPERTIES

ODOR:	Slight characteristic odor
COLOR:	Light Yellow viscous liquid
SOLUBILITY	Negligible (<0.1%)
PH:	No information found
% VOLATILES BY VOLUME @21C (70f)	100
BOILING/CONDENSATION POINT:	313°C (595°F)
FREEZING/MELTING POINT:	-10°C (14°F) / 80-85°C (176-185°F)
SPECIFIC GRAVITY:	0.952-0.965 @ 15.5°C/15.5°C
EVAPORATION RATE:	No information found
VAPOR DENSITY (Air=1)	Not applicable
VAPOR PRESSURE (mm Hg)	Not applicable
EVAPORATION RATE (BuAc=1)	No information found

10. STABILITY & REACTIVITY

STABILITY AND REACTIVITY:	Stable under ordinary conditions of use and storage.
INCOMPATIBILITY WITH VARIOUS SUBSTANCES:	Strong oxidizers.
HAZARDOUS DECOMPOSITION	Carbon dioxide and carbon monoxide may form when heated to decomposition.
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	Excessive heat. Freezing and incompatibles.



11. TOXICOLGICAL INFORMATION

TOXICOLOGICAL INFORMATION:
CARCINOGENICITY:

None Available
Expected LD 50 ORAL RAT > 5000 MG/KG
based on data taken from similar product
No information found

POISON SCHEDULE:

12. ECOLOGICAL INFORMATION

Environmental Fate
Environmental Toxicity

No Information Found
No Information Found

13. DISPOSAL CONSIDERATION

TREATMENT:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Use or contamination of this product may change the waste management options. ALWAYS CONTACT A PERMITTED WASTE DISPOSAL (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

14. TRANSPORT INFORMATION

DOT DESCRIPTION:

Non-regulated by DOT.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA 12(b) inventory:

Castor Wax Flakes

SARA 311/312 on - chemical inventory -
Hazard identification:

No products were found.

CERCLA 261.33

8(D)

Chemical Weapons Convention:

No

TSCA 12(b):

No

CDTA:

No

SARA 311 / 312 :

Acute:

No

Chronic:

No

Fire:

No

Reactivity:

No

(Pure / Liquid)



INTERNATIONAL LISTS:

<u>Ingredient</u>	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
Castor Oil (8001 – 79 -4)	Yes	Yes	No	Yes

<u>Ingredient</u>	<u>DSL</u>	<u>NDSL</u>	<u>Korea</u>	<u>Phil</u>
Castor Oil (8001 – 79 -4)	Yes	Yes	No	Yes

This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS Contains all of the information required the CPR.

16. OTHER INFORMATION

NFPA Ratings: Health: 0 Flammability: 1 Reactivity : 0

Label Hazard Warning

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions:

None

Label First Aid:

Not applicable

Product Use:

Laboratory Reagent

Revision Information:

No Changes

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Voyageur Soap & Candle Co. LTD believes the above information to be accurate based on the information available to Voyageur, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Voyageur meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Voyageur Soap & Candle Co. LTD standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.