

MATERIAL SAFETY DATA SEET {M.S.D.S.}

DATE : 05.03.2021
NAME OF PRODUCT : REFINED CASTOR OIL F.S.G
M.S.D.S. NUMBER : KODPL/SF/25

1. PRODUCT IDENTIFICATION

Synonyms : - RICINUS COMMUNIS SEED OIL. **Molecular weight :** - 933.4
CAS Number : - 8001 – 79 – 4 **Chemical formula:** - N.A.

2. HAZARDS IDENTIFICATION**Emergency Overview**

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.

Potential Health Effects**Inhalation:**

No adverse health effects expected from inhalation.

Ingestion:

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

Skin Contact:

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

Chronic Exposure:

No information found.

Aggravation of Pre- existing Conditions:

No information found.

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3. FIRST AID MEASURES

Inhalation:

Not expected to require first aid measures.

Ingestion:

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

Skin Contact:

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

Eye Contact:

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

4. FIRE FIGHTING MEASURES

Fire:

Flash Point: 229° C (444° F)

Auto ignition temperature: 449° C (840° F)

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

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

Special Information:

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

5. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. 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 waster container. Do not use combustible materials, such as saw dust. Small amounts of residue may be flushed to sewer with plenty of water.

6. Handling and 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.

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7. Exposure Controls/Personal Protection

Airborne Exposure Limits:

None established.

Ventilation system:

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.

Personal Respirators (NIOSH Approved):

Airborne exposure is not expected to be a problem under ordinary handling conditions.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

8. Physical and chemical Properties

| | |
|---|--------------------------------|
| Appearance | : Light yellow viscous liquid. |
| Odor | : Slight characteristic odor. |
| Solubility | : Negligible (<0.1%) |
| Specific Gravity | : 0.952-0.965 @ 15.5C/15.5C |
| Ph | : No information found. |
| % Volatiles by volume @21C (70F) | : 100 |
| Boiling Point | : 313C (595F) |
| Melting Point | : -10C (14F) |
| Vapor Density (Air=1) | : Not applicable. |
| Vapor Pressure (mm Hg) | : Not applicable. |
| Evaporation Rate (BuAc=1) | : No information found. |

9. STABILITY AND REACTIVITY

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Strong oxidizers.

Conditions to Avoid:

Excessive heat. Freezing and incompatibles.

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10. TOXICOLOGICAL INFORMATION

* Toxicological Information: Not Available.

* Carcinogenicity

Expected LD 50 ORAL RAT > 5000 MG/KG based on data Taken From Similar Product.

11. ECOLOGICAL INFORMATION

Environmental Fate : No Information Found.

Environmental Toxicity : No Information Found.

12. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing Use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal. State and local requirements.

13. TRANSPORT INFORMATION

In Accordance with ICOA/IATA/DOT/TDG

| | <u>RID / ADR</u> | <u>IMDG</u> | <u>ICOA/IATA (Air)</u> |
|--|------------------|----------------|------------------------|
| 13.1 UN Number | Not Regulated | Not Regulated | Not Regulated |
| 13.2 UN Proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 13.3 Transport hazard class (s) | Not Regulated | Not Regulated | Not Regulated |
| 13.4 Packaging group | Not Regulated | Not Regulated | Not Regulated |
| 13.5 Environmental hazard | Not applicable | Not applicable | Not applicable |
| 13.6 Special precautionary for user | None | None | None |

Sea Transport /Air Transport not regulated for transport

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14. REGULATORY INFORMATION

-----\ Chemical Inventory Status – Part 1 \ -----
Ingredient TSCA EC Japan Australia

Castor Oil (8001 – 79 -4) Yes Yes No Yes

-----\ Chemical Inventory Status – Part 2 \ -----
Ingredient Korea DSL NDSL Phil

Castor Oil (8001 – 79 -4) Yes Yes No Yes

-----\ Federal, State & International Regulations – Part 1 \ -----

- RCPA - - TSCA -

Ingredient
CERCLA 261.33 8(D)

Castor oil (8001-79-4) No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA : No
SARA 311 / 312: Acute: No Chronic: No Fire : No
Reactivity: No (Pure / Liquid)

Poison Schedule: No information found.

WHMIS:

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

15. BIO LOGICAL INFORMATION

Poison Schedule: No information found.

16. OTHER INFORMATION

NFPA Ratings: Health: 0 Flammability: 0 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 contained herein is accurate to the best of our knowledge from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for use of this product.