

Product:	CASTOR OIL MATERIAL SAFETY DATA SHEET According to Directive 2001/58/CE	Printed: 29/01/07
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1. PRODUCT NAME

Product Name: CASTOR OIL

2. COMPOSITION/INFORMATION OF INGREDIENTS

Chemical description: C16-18 Triglycerides
 INCI NAME: Castor Oil and Tocopherol and Olus (or) Vegetable Oil.
 CAS No.: 8001-79-4 and 68956-68-3
 EINECS No.: 232-293-8
 Formula: -
 Chemical family: Triglycerides

3. HAZARDS IDENTIFICATIONS

Nature of Hazards:	N.A.
Main important human danger:	N.A.
Secondary human danger:	N.A.
Environmental:	The product is not to be poured without previous treatment (purification system).
Health effects:	N.A.
Symptoms:	N.A.
Non appropriated uses:	N.A.

4. FIRST AIDS

Nature of hazard:	N.A.
First-aids basic information:	-
Exposure effects:	N.A.
How to act:	-
After eye contact:	Flush immediately open eyes with water. Get medical attention if severe irritation occurs.
After clothes contact:	-
After skin contact:	Not outstanding.
After ingestion:	Not outstanding.
After inhalation:	Not outstanding.

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5. FIRE-FIGHTING MEASURES.

Explosion or fire danger: -
 Extinguishing media: Foam, carbon dioxide (CO₂). Dry extinguishing media.
 Special instructions against fire: -
 Danger of fire-gases emanation: -
 Protection equipment in case of fire: -

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

Measures for personal safety: Not applicable.
 Environmental measures: The product is not to be poured without previous treatment (purification system).
 Cleaning methods:
 On floor: Collect by aspiration or with absorption products.
 In Water: Collect contaminated water.

7. HANDLING AND STORAGE.

HANDLING:

Precaution for safe handling: No special measure is recommended. In case of long exposures, use gloves and mask.

STORAGE:

Conditions of storage: Keep protected from light in a closed container, in a cool and dry place. Keep container tightly closed.

8. EXPOSURE LIMITS / PERSONAL PROTECTION

Exposure limits: TLV: Not established
 OSHA: Not established exposure limits
 ACGIH: Not established exposure limits
 NIOSH: Not established exposure limits

Exposure effects: Not listed

Protection measures:

Eye: No special protection required.
 Hand: No special protection required.
 Respiratory: No special protection required.
 Skin: No special protection required.
 Other: -
 Special: -

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet or applying cosmetics.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Oily liquid
Colour:	Light yellow
Melting point:	-
Boiling point:	-
Molecular weight:	-
Specific weight (20°C), H ₂ O=1:	-
Relative density (15.5°C):	0.954 – 0.960 g/ml
pH:	-
Vapour density (air=1):	-
Ignition temperature:	-
Exposure limits: N.D.D.	Lower: - Upper: -
Solubility:	Soluble in alcohol, ether.

10. STABILITY / REACTIVITY

Stability:	Stable at room temperature in closed containers under normal storage and handling conditions. No decomposition if correct storage media is used.
Dangerous product of combustion and oxidation:	The excess of oxygen combustion can produce carbon dioxide and water vapour. Incomplete combustion can produce carbon monoxide, soot and products of "cracking": aldehydes and ketones.
Chemical incompatibilities:	None known

11. TOXICOLOGICAL INFORMATION

Toxicity:	N.A.
LD50:	-
Dangers:	-
Eyes:	-
Skin:	-
Inhalation:	-
Ingestion:	-
Tumorigenic:	Not listed in NTP, IARC
Intoxication symptoms:	-
Decomposition products:	No decomposition if correct storage media applies.
Health danger:	-
Incompatibilities:	-

12. ECOLOGICAL INFORMATION

Environmental effects:	-
Mobility:	-
Persistence:	-
Bioaccumulation:	No data known.

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Aquatic toxicity: -

13. DISPOSAL CONSIDERATION

Suitable treatment media for: Must be treated according to local regulations.

Product: -

Packing:

14. TRANSPORT REGULATION

UN-Number: -

Class: -

IMO/IMDG: -

IMDG: -

IMO Label: -

Packing group: -

ADR/IRD: No dangerous good according to transport regulations

ADR (bulk): -

15. REGULATORY INFORMATION

ECC NO: -

ECC Classification: N.A.

Risk and security phrases: N.A. R: - S: -

CEFIC TEC-TREMCARD

16. ADDITIONAL INFORMATION

Abbreviations used:

NA: not applicable

N/A: not available

This sheet is an addition to the technical sheet and does not substitute it. The information contained in the present sheet is based on our actual knowledge of the product.

The present information is honest. It is recommended to take the necessary safety measures due to the possible risks that can occur when the product is used for other uses than those indicated in the present document. This sheet doesn't exempt the user of knowing and applying the whole texts that regulate his activity. The user is responsible to take the necessary precautions which regard to the use of the product which he knows. The present data list isn't exhaustive.

The user is not exempted to verify other obligations that are imposed on him with regard to the existence of other texts which regulate the possession and use of the product and for which the user is the only responsible.