



MATERIAL SAFETY DATA SHEET

Identification of the substance/preparation and of the company

Description: Vegetable Oils
Company: Loders Croklaan B.V
Hogeweg 1
1521 AZ Wormerveer
The Netherlands
Telephone: +31 (0) 75 629 29 11
24 hour a day available

Composition/Information on ingredients

This product contains no hazardous materials
CAS-nr: 68956-68-3
EC nr: 273-313-5

Hazards Identification

Human Health hazards
- Inhalation: Negligible unless heated to produce vapours.
- Skin contact: Prolonged or repeated contact is not likely to cause significant skin irritation. Material is sometimes encountered at elevated temperatures. Thermal burns are possible.
- Eye contact: May cause irritation. Irrigate eye with water for at least 15 to 20 minutes. Seek medical attention if symptoms persist.
- Ingestion: No hazards anticipated from ingestion incidental to industrial exposure.
Safety hazards: Combustible, not classified as flammable but will burn.
Physical-chemical hazards: None identified.
Environment hazards: No specific hazards.

First Aid measures

Ingestion: Rinse mouth with warm water. Drink at least a glass of milk or water.
Skin Contact: Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. If high pressure injection injuries occur, obtain medical attention immediately..
Eyes Contact: Flush eyes with copious amounts of water. If irritation persists, seek medical attention.
Inhalation: Remove from area of exposure; seek medical attention if symptoms persist.

Loders Croklaan B.V.

Fire-fighting measures

Specific hazards:	Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, acrolein and unidentified organic and inorganic compounds.
Extinguishing media:	Foam and dry chemical powder. Carbon dioxide, sand or earth may be used for small fires only.
Not suitable:	Water in a jet. Water stream may splash the burning liquid and spread fire.
Fire and hazards:	Oil soaked rags or insulating materials can cause spontaneous combustion if not handled properly.
Explosion potential:	Potential of dust explosion or ignition does exist with finely divided solids or spray when the concentration reaches the right level. Hot liquid may splash with water.
Protective equipment:	Fire-fighters should use proper protective equipment including self-contained breathing apparatus to avoid exposure to smoke and vapour.

Accidental release measures

Precautions:	In heated condition risk of splattering in case of contact with water. Be aware of slippery surface.
Precautions for environment:	Prevent draining into open water. Collect spilled material and dispose of in accordance with local regulations, preferably by incineration.
Methods for cleaning	Spillages and uncontrolled discharges should be kept separately, and processed as waste. Wash hard surfaces with detergent to remove remaining oil film.
Other information	Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

Handling and storage

Fire prevention:	Risk of explosion in case of welding on empty drums/tanks.
Handling:	Palletised drums and pails should be handled carefully. Stacking of more than two pallets on top of one another should be avoided.
Storage:	Store in a cool dry place, away from heating source or direct sunlight, avoiding moisture, dust and contaminants.
Special precautions:	None.

Exposure controls / Personal protection

Personal precautions	Avoid contact with skin and eyes.
- Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.
- Skin protection:	Wear impermeable gloves.
Hygiene measures:	Handle in accordance with good occupation hygiene.
Ventilation:	Ensure ventilation or local exhaust if formation of vapours occurs.
Occupation exposure limits:	None established.

Physical and chemical properties

Appearance:	liquid, powder, semi solid or solid, depending on temperature.
Colour:	White / Yellow.
Odour:	Neutral, to characteristic for oil.
Flash point:	> 180 °C
Specific gravity (70°C):	± 870 kg/m ³
Solubility:	Almost insoluble in water. Unlimited in lipophylic solvents.

Stability and reactivity

Stability:	Stable under normal conditions.
Conditions to avoid:	Strong oxidizing agents.
Hazardous reactions:	Not to be expected during normal storage and use.
Decomposition products:	Thermal decomposition will evolve a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, acroleine and unidentified organic and inorganic compounds.

Toxicological information

Toxicological data have not been determined specifically for this product.

Ecological information

General:	bio-degradable. In the event of large spills in the environment, temporary pollution may occur.
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Disposal considerations

Waste disposal method:	Depending on local regulations the product can be burned in a suitable combustion installation.
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Transport information

General:	Not dangerous for conveyance under UN, IMO, ADR/RID and IATA/ICAO codes It is recommended that our products should be transported in accordance with the Loders Croklaan Transport Policy (available on request).
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Regulatory information

European Priority Lists Information (Council Regulation (EEC) 793/93):

This chemical substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

Classification and Labelling Information:

Not classified in the Annex I of Directive 67/548/EEC.

Other information

The above data are not a contractual obligation with respect to product characteristics they are based on current knowledge.

History

Date of issue: 8 February 2005

Date of previous issue: 6 January 2005

Version: 1.2

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