

MATERIAL SAFETY DATA SHEET

SECTION I NAME

Product	CORN OIL
Chemical Synonyms	Maize Oil; Mazola Oil
Formula	Natural Product
Jnit(s) Size	4 Liter
C.A.S. No.	8001-30-7

1

0

0

0

CHEMTREC
800-424-9300
Day 716-226-6177
Night 716-334-4222

HAZARD RATING

0 1 2 3 4

LEAST SLIGHT MODERATE HIGH EXTREME

NFPA

0 1 2 3 4

HAZARDOUS INGREDIENTS OF MIXTURES

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)

Corn Oil

TLV Units

100% None established.

Low health hazard for usual laboratory handling at room temperature.

SECTION III PHYSICAL DATA

Melting Point (°F)	10°C.	Specific Gravity (H ₂ O = 1)	0.916-0.921
Boiling Point (°F)	Not determined.	Percent Volatile by Volume (%)	Negligible @ 25°C.
Vapor Pressure (mm Hg)	None listed.	Evaporation Rate (Ether = 1)	Greater than 1
Vapor Density (Air = 1)	Unknown.		
Solubility in Water	Insoluble.		
Appearance and Odor	Clear, yellow oil; faint characteristic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	610°F (321°C) (oc)	Flammable Limits in Air % by Volume	Unknown
Extinguisher Media	Carbon dioxide (CO ₂); dry chemicals (ABC); water spray.		

SPECIAL FIREFIGHTING PROCEDURES

Water or foam may cause frothing. In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

Ignition temperature; 740°F (393°C).

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T.

NON-REGULATED.



FREY SCIENTIFIC

905 HICKORY LANE MANSFIELD OHIO 44905

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA

Threshold Limited Value

None established.

Effects of Overexposure

No ill effects are expected in normal handling at room temperatures.

Emergency and First Aid Procedures

None should be required in normal handling at room temperatures.

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SECTION VI REACTIVITY DATA

Stability Unstable Stable X

Conditions to Avoid

Strong oxidizers.

Incompatibility (Materials to avoid)

Hazardous Decomposition Products

Combustion will produce carbon dioxide, smoke and probably emits carbon monoxide.

Hazardous Polymerization

Conditions to Avoid

May Occur Will Not Occur

Will Not Occur

Will Not Occur

Will Not Occur

Will Not Occur

Will Not Occur

Will Not Occur

Will Not Occur

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Will Not Occur

Will Not Occur

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Absorb in vermiculite, sand or earth. Scoop up and place in a suitable container.

Dispose of in an approved incinerator.

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respirator Protection (Specify Type)

None required in normal handling at room temperatures.

Ventilation Local Exhaust Mechanical (General)

None needed. None needed.

Special No. Other No.

Protective Gloves

None needed.

Eye Protection

Chemical safety glasses.

Other Protective Equipment

Smock, apron, eye wash station, and a fire extinguisher.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Store in a cool place away from oxidizers and fire hazards. Wash thoroughly after handling.

Keep container tightly closed when not in use.

Other Precautions

Read label on container before using.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. No. 1 Date 1/12/87 Approved [Signature] Chemical Safety Coordinator

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