



Safety Data Sheet

Issuing Date 06-Nov-2014

Revision Date 30-May-2018

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Rapeseed Oil

Other means of identification

Product Code 1028

Synonyms High erucic acid rapeseed (HEAR) oil

Recommended use of the chemical and restrictions on use

Recommended Use Lubricant

Uses advised against NOT FOR USE AS A FOOD INGREDIENT

Details of the supplier of the safety data sheet

Supplier Address

Michigan Petroleum Technologies
3030 Moak Street
Port Huron, MI 48060
800-834-6219

Emergency Telephone Number PERS: 800-633-8253

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard.

This is not a dangerous substance or mixture according to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Label Elements

EMERGENCY OVERVIEW

Not Hazardous

Appearance Light amber

Physical State Liquid

Odor Mild-fatty

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms High erucic acid rapeseed (HEAR) oil

Chemical Name	CAS-No.	Weight %
Rapeseed oil	8002-13-9	100

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms	None identified
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically
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5. FIRE-FIGHTING MEASURES

<u>Suitable extinguishing media</u>	Carbon dioxide. Foam. Dry chemical. Water spray. Class ABC/BC fire extinguisher
<u>Unsuitable extinguishing media</u>	Do not use a solid water stream as it may scatter and spread fire
<u>Hazardous combustion products</u>	Heavy smoke. Carbon oxides
<u>Explosion Data</u>	
<u>Sensitivity to Mechanical Impact</u>	None
<u>Sensitivity to Static Discharge</u>	None
<u>Protective equipment and precautions for firefighters</u>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Spilled material can cause surfaces to become very slippery.
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Environmental precautions

Environmental precautions	Prevent release to surface water.
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Methods and material for containment and cleaning up

Methods for Cleaning Up	Pick up and transfer to properly labeled containers.
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7. HANDLING AND STORAGE

Precautions for safe handling

Handling	Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Rapeseed oil 8002-13-9	n/a	Oil Mist: 15 mg/m ³ (total dust), 5 mg/m ³ (respirable)	n/a

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields

Skin and Body Protection Wear personal protective equipment as required

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid
Appearance Light amber
Color -
Odor Mild-fatty

<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
pH		Not determined
Melting point/freezing point		Not determined
Boiling point/boiling range	>200 °C / >392 °F	
Flash Point	>200 °C / >392 °F	Open cup
Evaporation Rate		Not determined
Flammability (solid, gas)		Not Applicable
Flammability Limits in Air		Not determined
Upper flammability limits	-	
Lower Flammability Limit	-	
Vapor pressure	<1	mm Hg
Vapor Density	>1	(air = 1)
Specific Gravity	0.92	
Water Solubility	Immiscible	
Solubility in other solvents		Not determined
Partition coefficient		Not determined
Autoignition Temperature		Not determined
Decomposition temperature		Not determined
Kinematic viscosity		Not determined
Dynamic viscosity		Not determined

Other Information

10. STABILITY AND REACTIVITY

Reactivity

Not reactive

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

None identified.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Inhalation of aerosol or mist may cause irritation of the respiratory tract
Eye contact	May cause slight irritation
Skin contact	Not irritating to skin
Ingestion	Ingestion may cause stomach discomfort

Information on toxicological effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity There are no listed carcinogens in this product

STOT - single exposure No known hazard

STOT - repeated exposure No known hazard

Numerical measures of toxicity-Product Information Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not toxic to aquatic organisms at maximum water solubility.

Persistence and degradability

Biodegradable in terrestrial ecosystems and biological treatment systems.

Other Adverse Effects

May be harmful if a significant amount is released to surface water.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Waste Disposal Method	Dispose of in accordance with local regulations
Contaminated Packaging	Do not re-use empty containers

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG / IMO</u>	Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Complies
EINECS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

16. OTHER INFORMATION

NFPA	Health Hazard 0	Flammability 1	Instability 0	Physical and Chemical Hazards n/a
HMIS	Health Hazard 0	Flammability 1	Physical hazards 0	Personal Precautions B

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Revision Note	Updated format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS