

OS265819F



Material Safety Data Sheet
OS265819F

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

1	Substance/Product Identification
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*The Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, Ohio 44092
Tel: (440) 943-4200*

This material is to be used for research purposes only under the supervision of a technically qualified individual. The toxicological properties may have not been completely characterized. To determine your responsibilities under the Canadian Environmental Protection Act, please see the Regulatory Information Section. If this material has been supplied to you under the terms of a secrecy or non-analysis agreement, the information included in this MSDS is hereby identified as "Confidential Information."

Product Trade Name	OS265819F
CAS Number	Not applicable for mixtures.
Synonyms	None.
Generic Chemical Name	Confidential.
Product Type	Experimental.
Prepared By	Product Safety and Compliance Department(440) 943-4200
Preparation/Revision Date	11 September 2012
Transportation Emergency Phone No.	FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)
MSDS No.	22035713-1412219-4022211-102103
WHMIS Hazard Class	Not a controlled product.
HMRC Registry Number	Not Registered
HMRC Exemption	Not Registered
HMRC Filing/Grant Date	Not applicable.

2	Hazards Identification
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Principal Hazards Caution.

- May cause eye irritation.

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients
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Hazardous Ingredients This material contains no ingredients requiring disclosure under regulatory hazard criteria for this jurisdiction. See Section 11 for additional details.

4	First Aid Measures
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Ingestion	DO NOT INDUCE VOMITING. Get immediate medical attention.
Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Skin	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation	Remove exposed person to fresh air if adverse effects are observed.
Additional Information	Note to physician: Treat symptomatically.

5	Fire Fighting Measures
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Flash Point	138 °C, 280.4 °F PMCC (Typical)
Extinguishing Media	CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.
Firefighting Procedures	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Unusual Fire & Explosion Hazards	See section 10 for additional information.

6	Accidental Release Measures
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Spill Procedures

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Take precautions to avoid release to the environment. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways, dispose of in accordance with all federal, state and local environmental regulation. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

7	Handling and Storage
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Pumping Temperature	Not determined.
Maximum Handling Temperature	Not determined.
Handling Procedures	Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Vapors are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations high enough to cause eye irritation, headaches, respiratory discomfort or nausea. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers in accordance with local, regional, national and international regulations.
Maximum Storage Temperature	Not determined.
Storage Procedures	Take precautions to avoid release to the environment. See section 10 for incompatible materials.
Maximum Loading Temperature	Not determined.

8	Exposure Controls/Personal Protection
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Other Exposure Limits	Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH TWA of 5 mg per cubic meter.
Engineering Controls	Vapors are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation.
Gloves Procedures	Nitrile.
Eye Protection	Safety Glasses.
Respiratory Protection	Use respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Clothing Recommendation	Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

9	Physical and Chemical Properties
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Flash Point	138 °C, 280.4 °F PMCC (Typical)
Upper Flammable Limit	Not determined.
Lower Flammable Limit	Not determined.
Autoignition Point	Not determined.
Explosion Data	Material does not have explosive properties.
Vapor Pressure	Not determined.
pH	Not determined.
Specific Gravity	0.86 (15.6 °C)
Bulk Density	Not determined.
Water Solubility	Insoluble.
Percent Solid	Not determined.
Percent Volatile	Not determined.
Volatile Organic Compound	Not determined.
Vapor Density	Not determined.
Evaporation Rate	Not determined.
Odor	Mild
Appearance	Light colored liquid.
Viscosity	70.8 Centistokes (40 °C) 12 Centistokes (100 °C)
Odor Threshold	Not determined.
Boiling Point	Not determined.
Pour Point Temperature	Not determined.
Melting / Freezing Point	Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10	Stability and Reactivity
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Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.

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Incompatibility

Polymerization

Thermal Decomposition

Oxidizing agents.

Will not occur.

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions, oxides of the following elements will be formed: sulfur.

11 Toxicological Information

- ACUTE EXPOSURE -

Oral Toxicity

The LD50 in rats is > 5000 mg/Kg. Based on data from components or similar materials.

Eye Irritation

May cause eye irritation. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials.

Skin Irritation

Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Dermal Toxicity

The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

Inhalation Toxicity

No data available to indicate product or components may be a toxic inhalation hazard.

Respiratory Irritation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

Dermal Sensitization

No data available to indicate product or components may be a skin sensitizer.

Inhalation Sensitization

No data available to indicate product or components may be respiratory sensitizers.

- CHRONIC EXPOSURE -

Chronic Toxicity

No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity

This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

Reproductive Toxicity

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity

No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

- ADDITIONAL INFORMATION -

Other

No other health hazards known.

12 Ecological Information

- ENVIRONMENTAL TOXICITY -

Freshwater Fish Toxicity

The acute LC50 is 10 - 100 mg/L based on component data. The Alkenyl amine contained in this product has an LC50 between 0.1 and 1.0 mg/L.

Freshwater Invertebrates Toxicity

The acute EC50 is 10 - 100 mg/L based on component data. Chronic effects expected at 10 - 100 mg/L based on component data.

Algal Inhibition

The acute EC50 is 10 - 100 mg/L based on component data.

Saltwater Fish Toxicity

The acute LC50 is 10 - 100 mg/L based on component data.

Saltwater Invertebrates Toxicity

The acute LC50 is 10 - 100 mg/L based on component data.

Bacteria Toxicity

Not determined.

Miscellaneous Toxicity

Not determined.

- ENVIRONMENTAL FATE -

Biodegradation

Adequate data is not available to estimate the biodegradation potential of this material.

Bioaccumulation

1 - 10% of the components potentially bioconcentrate, based on octanol/water coefficients.

Soil Mobility

Not determined.

13 Disposal Considerations

Waste Disposal

This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

14 Transport Information

ICAO/IATA II

Not regulated.

IMDG

Not regulated.

IMDG EMS Fire

Not applicable.

IMDG EMS Spill

Not applicable.

IMDG MFAG

Not applicable.

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MARPOL Annex II	Not determined.
USCG Compatibility	Not determined.
Canada	Not regulated.
U.S. DOT Bulk	Not regulated.
DOT NAERG	Not applicable.
U.S. DOT (Intermediate)	Not regulated.
U.S. DOT Intermediate NAERG	Not applicable.
U.S. DOT Non-Bulk	Not regulated.
U.S. DOT Non-Bulk NAERG	Not applicable.
Bulk Quantity	85000 KG, 187391 lbs.
Intermediate Quantity	11000 KG, 24251 lbs.
Non-Bulk Quantity	400 KG, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures.

15	Regulatory Information
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-- Global Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
EU	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance with the law in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.
Taiwan	May require notification before sale in Taiwan.

-- Product Registrations --

Finnish Registration Number	Not Registered
Swedish Registration Number	Not Registered
Norwegian Registration Number	Not Registered
Danish Registration Number	Not Registered
Swiss Registration Number	Not Registered
Italian Registration Number	Not Registered

-- Other / International --

Other TSCA Reg.	None known.
SARA Ext. Haz. Subst.	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
CERCLA Hazardous Substances	None known.
Cal. Prop. 65	This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: <0.05 ppm cadmium <0.1 ppm lead <0.5 ppm arsenic <0.5 ppm Methyl isobutyl ketone, CAS no. 108-10-1 <1 ppm Ethyl acrylate, CAS no. 140-88-5
Miscellaneous Regulatory Information	Not determined.

16	Other Information
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US NFPA Codes	<table><tr><th>Health</th><th>Fire</th><th>Reactivity</th><th>Special</th></tr><tr><td>1</td><td>1</td><td>0</td><td>N/E</td></tr></table>	Health	Fire	Reactivity	Special	1	1	0	N/E
Health	Fire	Reactivity	Special						
1	1	0	N/E						
HMIS Codes	<table><tr><th>Health</th><th>Fire</th><th>Reactivity</th></tr><tr><td>0</td><td>1</td><td>0</td></tr></table>	Health	Fire	Reactivity	0	1	0		
Health	Fire	Reactivity							
0	1	0							

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Precautionary Labels

Caution.

- May cause eye irritation.

Revision Indicators

Section: 1 WHMIS hazard class.	Changed: 15 November 2011
Section: 2 Principal hazards.	Changed: 15 November 2011
Section: 3 Canadian hazardous ingredients.	Changed: 15 November 2011
Section: 4 Inhalation first aid.	Changed: 15 November 2011
Section: 4 Skin first aid.	Changed: 15 November 2011
Section: 5 Flash point.	Changed: 15 November 2011
Section: 5 Flash point.	Changed: 15 November 2011
Section: 5 Unusual fire& explosion hazards.	Changed: 15 November 2011
Section: 6 Spill procedures.	Changed: 15 November 2011
Section: 7 Handling procedures.	Changed: 15 November 2011
Section: 7 Storage procedures.	Changed: 15 November 2011
Section: 8 Clothing recommendations.	Changed: 15 November 2011
Section: 8 Eye protection.	Changed: 15 November 2011
Section: 8 Ventilation procedures.	Changed: 15 November 2011
Section: 9 Flash point.	Changed: 15 November 2011
Section: 9 Flash point.	Changed: 15 November 2011
Section: 9 Viscosity.	Changed: 15 November 2011
Section: 12 Bacteria toxicity.	Changed: 2 June 2012
Section: 12 Accumulation.	Changed: 2 June 2012
Section: 14 U.S. DOT Bulk shipping description.	Changed: 15 November 2011
Section: 14 U.S. DOT Intermediate shipping description.	Changed: 15 November 2011
Section: 16 HMIS codes.	Changed: 15 November 2011
Section: 16 NFPA Codes.	Changed: 15 November 2011
Section: 16 Principal hazards.	Changed: 15 November 2011

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