



Prepared according to Commission Regulation (EU) No 453/2010.

Section 1	Identification of substance/mixture and of the company/undertaking
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1.1 Product Identifier**LUBRIZOL® 9692A**

Synonyms None.

1.2 Relevant identified uses of the substance or mixture and (uses advised against)

Relevant identified uses (see section 7.3 for information on REACH registered uses)

Additive for Off-Highway.

1.3 Details of the supplier of the safety data sheet

The Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, Ohio 44092
Tel: (440) 943-4200

E-mail contact EUSDS@lubrizol.com

1.4 Emergency Telephone number

FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)

Section 2	Hazards Identification
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2.1 Classification of the substance or mixture

(EC) No 1272/2008

Repr. 2; H361
Aquatic Chronic 3; H412

67/548/EC or 1999/45/EC

R52/53

For a full text of R- and H- phrases: See section 16

2.2 Label elements

(EC) No 1272/2008



Warning.

Suspected of damaging fertility or the unborn child.
Harmful to aquatic life with long lasting effects.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Avoid release to the environment.

If exposed or concerned: Get medical attention.

Store locked up.

All disposal practices must be in accordance with local, national and international regulations.

Supplemental label information

Contains (Calcium sulfonate). May produce an allergic reaction.

2.3 Other hazards

None identified.

Section 3	Composition/Information on Ingredients
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3.2 Mixtures

(EC) No 1272/2008

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
308-565-8	Not Available	From 20 to 29.9 percent	Zinc arylidithiophosphate	Aquatic Chronic 3; H412 Eye Irrit. 2; H319
Polymer	Not Available	From 5 to 9.9 percent	Benzene, polypropene derivatives,	Eye Irrit. 2; H319

LUBRIZOL® 9692A [2012/3/5]

242-556-9	Not Available	From 5 to 9.9 percent	sulfonated, calcium salts 3-(decyloxy)tetrahydrothiophene 1,1-dioxide	Skin Sens. 1; H317 Aquatic Chronic 2; H411
310-154-3	01-2119513207-49	From 1 to 4.9 percent	Dodecylphenol, mixed isomers (branched)	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Irrit. 2; H319 Repr. 2; H361 Skin Irrit. 2; H315
500-024-6	Not Available	From 0.5 to 1.5 percent	Nonylphenol ethoxylates	Aquatic Chronic 2; H411 Eye Irrit. 2; H319 Skin Irrit. 2; H315

67/548/EC or 1999/45/EC

EC No.	Registration Number	Percentage (by wt.)	Name	Classification 67/548/EC
308-565-8	Not Available	From 20 to 29.9 percent	Zinc aryldithiophosphate	None. R52/53
272-213-9	Not Available	From 5 to 9.9 percent	Sulfonic acids, petroleum, calcium salts, overbased	None. R53
Polymer	Not Available	From 5 to 9.9 percent	Benzene, polypropene derivatives, sulfonated, calcium salts	Xi R43
242-556-9	Not Available	From 5 to 9.9 percent	3-(decyloxy)tetrahydrothiophene 1,1-dioxide	N R51/53
310-154-3	01-2119513207-49	From 1 to 4.9 percent	Dodecylphenol, mixed isomers (branched)	N Xn R36/38 R50/53 R62
500-024-6	Not Available	0.5 to 1.5 percent	Nonylphenol ethoxylates	N Xi R36/38 R51/53

Section 4	First Aid Measures
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4.1 Description of first aid measures

Skin

Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse and discard leather articles saturated with the material.

Eyes

Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.

Inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor.

Swallowed

DO NOT INDUCE VOMITING. Get immediate medical attention.

Advice for first-aid providers

When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. If providing CPR use mouthpieces, resuscitation bags, pocket masks or other ventilation devices. After providing first aid wash your exposed skin with soap and water.

4.2 Most important symptoms and effects, both acute and delayed

See section 11.

4.3 Indication of any immediate medical attention and special treatment needed

If exposed or concerned: Get medical attention.

Section 5	Fire Fighting Measures
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5.1 Extinguishing Media

CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.

5.2 Special hazards arising from substance or mixture

See section 10 for additional information.

5.3 Advice for firefighters

Recommend wearing self-contained breathing apparatus. Water may cause splattering.

Section 6	Accidental Release Measures
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6.1 Personal precautions, protective equipment and emergency procedures

Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area.

6.2 Environmental precautions

Take precautions to avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

6.3 Methods and material for containment and cleaning up

Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

6.4 Reference to other sections

See sections 8 and 13 for additional information.

Section 7	Handling and Storage
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7.1 Precautions for safe handling

Open container in a well ventilated area. Avoid breathing vapors. 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. Avoid breathing dust, fume, gas, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. 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.

Pumping Temperature

50 °C, 122 °F

Maximum Handling Temperature

70 °C, 158 °F

Maximum Loading Temperature

70 °C, 158 °F

7.2 Conditions for safe storage, including any incompatibilities

Take precautions to avoid release to the environment. Store at cool ambient temperatures. Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113 deg F (45 deg C) for extended periods of time or if heat sources in excess of 250 deg F (121 deg C) are used. Store locked up. See section 10 for incompatible materials.

Maximum Storage Temperature

45 °C, 113 °F

7.3 Specific end use(s)

End uses are listed in an attached exposure scenario when one is required.

Section 8	Exposure Controls/Personal Protection
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8.1 Control parameters

None known.

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.

8.2 Exposure controls

Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.

Eye/face protection

Safety Glasses.

Skin protection

Nitrile.

Gloves, coveralls, apron, boots as necessary to minimize contact Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

Respiratory Protection

Use full face respirator with a combination organic vapor and high efficiency filter cartridge if the 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. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Hygiene Measures

Wash thoroughly after handling this product.

Environmental exposure controls

See section 6 for details.

Section 9	Physical and Chemical Properties
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9.1 Information on basic physical and chemical properties

Appearance Dark colored liquid.

Odour Mild petroleum

LUBRIZOL® 9692A [2012/3/5]

Odour Threshold	Not determined.
pH	Not determined.
Melting / Freezing Point	Not determined.
Boiling Point	Not determined.
Boiling Point Range	Not determined.
Flash Point	> 130 °C, 266 °F PMCC (Minimum)
Evaporation Rate	Not determined.
Flammability (solid,gas)	Not applicable.
Lower flammability or explosive limit	Not determined.
Upper flammability or explosive limit	Not determined.
Vapour Pressure	0.0027 psi (Calc) (20 °C) 0.0245 psi (Calc) (77 °C)
Vapour Density	Not determined.
Relative density	1.03 (15.6 °C)
Bulk Density	8.6 Lb/gal, 1.03 Kg/L
Water Solubility	Insoluble.
Other solubilities	Not determined.
Partition coefficient: n-octanol/water	Not determined.
Autoignition Point	Not determined.
Decomposition Temperature	Not determined.
Viscosity	4937 Centistokes (25 °C) 1325 Centistokes (40 °C) 50 Centistokes (100 °C)
Explosive properties	Material does not have explosive properties.
Oxidising properties	Material is a non-oxidising substance.

9.2 Other information

Pour Point Temperature	-15 °C, 5 °F
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The above data are typical values and do not constitute a specification.

Section 10	Stability and Reactivity
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10.1 Reactivity

Carefully review all information provided in sections 10.2 - 10.6.

10.2 Chemical stability

Material is normally stable at moderately elevated temperatures and pressures.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

Not determined.

10.5 Incompatible materials

Acids. Oxidizing agents.

10.6 Hazardous decomposition products

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: calcium, phosphorus, sulfur, zinc.

Section 11	Toxicological Information
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11.1 Information on toxicological effects

Acute toxicity

Oral

The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.

Dermal

LUBRIZOL® 9692A [2012/3/5]

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

Inhalation

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

Skin corrosion / 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.

Serious eye damage / irritation

Not expected to cause eye irritation. Based on data from components or similar materials.

Respiratory Irritation

Nose, throat and lung irritant. Based on data from components or similar materials.

Respiratory or skin sensitization

Skin

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

Respiratory

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

Germ cell mutagenicity

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

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

This product contains para-dodecylphenol. Rats given high, repeated daily doses of para-dodecylphenol by oral intubation experienced adverse reproductive effects. The relevance of these effects to humans is uncertain.

This product contains para-dodecylphenol. Pregnant rats given high, repeated daily doses of para-dodecylphenol by oral intubation gave birth to pups with cleft palate and skeletal malformations. The relevance of these effects to humans is uncertain.

STOT repeated exposure

The product contains para-dodecylphenol. Rats given high, repeated daily doses of para-dodecylphenol by oral intubation experienced effects on a number of organs including adrenal, thyroid, liver, ovary, testes, bone marrow and blood cell formation. The relevance of these effects to humans is uncertain.

Other information

No other health hazards known.

Section 12	Ecological Information
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12.1 Toxicity

Freshwater fish

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

Freshwater invertebrates

The acute EC50 is 10 - 100 mg/L based on component data. Chronic effects expected at < 1 mg/L based on component data.

Algae

Not determined.

Saltwater fish

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

Saltwater invertebrates

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

Bacteria

The acute EC50 is 100 - 1000 ppm based on component data.

12.2 Persistence and degradability

Substance	Pct. (weight)	Test type	Duration (days)	Pct. degradation
Dodecylphenol, mixed isomers (branched)	From 1 to 4.9 percent	Miscellaneous-Degradation	56	10
Dodecylphenol, mixed isomers (branched)	From 1 to 4.9 percent	Sturm	28	25

12.3 Bioaccumulative potential

Substance	Pct. (weight)	Test type	Duration (days)	Log Kow or BCF
Dodecylphenol, mixed isomers (branched)	From 1 to 4.9 percent	Bioconcentration Factor	27	2.9
Dodecylphenol, mixed isomers (branched)	From 1 to 4.9 percent	Octanol-Water Coefficient	0.1	7.1

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

Not Available

12.6 Other adverse effects

None known.

Section 13	Disposal Considerations
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13.1 Waste treatment methods

All disposal practices must be in accordance with local, regional, national and international regulations. Do not dispose in landfill.

Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Section 14	Transport Information
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14.1 UN number

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.2 UN proper shipping name

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.3 Transport hazard class(es)

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.4 Packing group

ADR/RID	Not regulated
ICAO	Not regulated
IMDG	Not regulated

14.5 Environmental hazards

ADR/RID	Not applicable.
ICAO	Not applicable.
IMDG	Not applicable.

14.6 Special precautions for users

Review classification requirements before shipping materials at elevated temperatures.

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

Noxious liquid, NF, (5) n.o.s. (LUBRIZOL 9692A Contains Zinc alkaryl dithiophosphate (C7-C16)), ST 2, Cat Y

Section 15	Regulatory Information
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15.1 Safety, health and environment regulations / legislation specific for the substance or mixture**Global Chemical Inventories**

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

German water hazard classes

WGK = 2 according to the Water Hazardous Directive, VwVwS, dated May 17, 1999.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Section 16	Other Information
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LUBRIZOL® 9692A [2012/3/5]

Created by

Product Safety and Compliance Department (440-943-1200)

Created Date

30 July 2009

Revision date

05 March 2012

SDS No.

91457246-2401873-2027221-102103

HMIS Codes

Health	Fire	Reactivity
2*	1	0

Relevant R Phrases

- R36/38 -- Irritating to eyes and skin.
- R43 -- May cause sensitisation by skin contact.
- R50/53 -- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53 -- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 -- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53 -- May cause long-term adverse effects in aquatic environment.
- R62 -- Possible risk of impaired fertility.

Relevant hazard phrases

- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H361 - Suspected of damaging fertility or the unborn child.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

Revision Indicators

- | | |
|--------------------------------------|---------------------------|
| Section: 2 Storage procedures. | Changed: 5 July 2011 |
| Section: 3 CLP Hazardous Ingredients | Changed: 24 February 2012 |
| Section: 3 EU hazardous ingredients. | Changed: 24 February 2012 |
| Section: 11 Dermal sensitization. | Changed: 24 February 2012 |
| Section: 16 Relevant hazard phrases | Changed: 8 July 2011 |

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