



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

<b>Section 1</b>	<b>Identification of substance/mixture and of the company/undertaking</b>
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**1.1 Product Identifier****LUBRIZOL® 6950J**

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.)

<b>Section 2</b>	<b>Hazards Identification</b>
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**2.1 Classification of the substance or mixture**

(EC) No 1272/2008

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

Harmful to aquatic life with long lasting effects.

Avoid release to the environment.

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.

<b>Section 3</b>	<b>Composition/Information on Ingredients</b>
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**3.2 Mixtures**

(EC) No 1272/2008

EC No.	Registration Number	Percentage (by wt.)	Name	Classification
224-235-5	01-2119493635-27	From 10 to 19.9 percent	Zinc, bis[O,O-bis(2-ethylhexyl)phosphorodithioato-S,S']-, (T-4)-	Aquatic Chronic 2; H411 Eye Dam. 1; H318
Polymer	Not Available	From 1 to 4.9 percent	Benzene, polypropene derivatives, sulfonated, calcium salts	Eye Irrit. 2; H319 Skin Sens. 1; H317
217-316-1	Not Available	From 0.5 to 1.5 percent	Dibutyl phosphite	Eye Irrit. 2; H319 Skin Irrit. 2; H315
310-154-3	01-2119513207-49	From 0.5 to 1.5 percent	Dodecylphenol, mixed isomers (branched)	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Irrit. 2; H319 Repr. 2; H361 Skin Irrit. 2; H315
202-908-4	Not Available	From 0.1 to 0.9 percent	Triphenyl phosphite	Acute Tox. 4; H302 Aquatic Acute 1; H400

**67/548/EC or 1999/45/EC**

EC No.	Registration Number	Percentage (by wt.)	Name	Classification 67/548/EC
224-235-5	01-2119493635-27	From 10 to 19.9 percent	Zinc, bis[O,O-bis(2-ethylhexyl)phosphorodithioato-S,S']-, (T-4)-	N Xi R41 R51/53
Polymer	Not Available	From 1 to 4.9 percent	Benzene, polypropene derivatives, sulfonated, calcium salts	Xi R43
217-316-1	Not Available	0.5 to 1.5 percent	Dibutyl phosphite	Xi R36/38
310-154-3	01-2119513207-49	0.5 to 1.5 percent	Dodecylphenol, mixed isomers (branched)	N Xn R36/38 R50/53 R62
202-908-4	Not Available	From 0.1 to 0.9 percent	Triphenyl phosphite	N Xn R22 R36/38 R50/53

<b>Section 4</b>	<b>First Aid Measures</b>
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**4.1 Description of first aid measures****Skin**

Wash immediately 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**

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.

**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.

<b>Section 5</b>	<b>Fire Fighting Measures</b>
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**5.1 Extinguishing Media**

CO<sub>2</sub>, dry chemical, or foam. Water can be used to cool and protect exposed material.

**5.2 Special hazards arising from substance or mixture**

Elevated temperatures can lead to the formation of irritating fumes and vapors. See section 10 for additional information.

**5.3 Advice for firefighters**

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

<b>Section 6</b>	<b>Accidental Release Measures</b>
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**6.1 Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Personal protective equipment must be worn. Avoid contact with skin, eyes or clothing. Ventilate area if spilled in a confined space or other poorly ventilated area. Eliminate all ignition sources if safe to do so.

**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.

**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. Vapours 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. Avoid breathing vapor. Avoid contact with eyes, skin and clothing. 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**

Not determined.

**Maximum Handling Temperature**

70 °C, 158 °F

**Maximum Loading Temperature**

Not determined.

**7.2 Conditions for safe storage, including any incompatibilities**

Take precautions to avoid release to the environment. 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. 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.

<b>Section 8</b>	<b>Exposure Controls/Personal Protection</b>
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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**

Material should be handled in enclosed vessels and equipment, in which case general (mechanical) room ventilation should be sufficient. Local exhaust ventilation should be used at points where dust, mist, vapors or gases can escape into the room air. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits. Vapours are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation.

**Eye/face protection**

Safety Glasses.

**Skin protection**

Nitrile. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear.

Gloves, coveralls, apron, boots as necessary to minimize contact. Wear a chemically protective apron when contact with material may occur. When working with heated material, wear an insulated apron or an insulated chemical protective suit. 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 an organic vapor 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.

**Hygiene Measures**

Wash thoroughly after handling this product.

**Environmental exposure controls**

See section 6 for details.

<b>Section 9</b>	<b>Physical and Chemical Properties</b>
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**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Dark colored liquid.
<b>Odour</b>	Mild
<b>Odour Threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting / Freezing Point</b>	Not determined.
<b>Boiling Point</b>	Not determined.
<b>Boiling Point Range</b>	Not determined.

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<b>Flash Point</b>	115 °C, 239 °F PMCC (Typical)
<b>Evaporation Rate</b>	Not determined.
<b>Flammability (solid,gas)</b>	Not applicable.
<b>Lower flammability or explosive limit</b>	Not determined.
<b>Upper flammability or explosive limit</b>	Not determined.
<b>Vapour Pressure</b>	0.00031 psi (Calc) (0 °C) 0.00042 psi (Calc) (4 °C) 0.00119 psi (Calc) (20 °C) 0.00348 psi (Calc) (38 °C) 0.02498 psi (Calc) (77 °C)
<b>Vapour Density</b>	Not determined.
<b>Relative density</b>	0.98 (15.6 °C)
<b>Bulk Density</b>	8.14 Lb/gal, 0.98 Kg/L
<b>Water Solubility</b>	Insoluble.
<b>Other solubilities</b>	Not determined.
<b>Partition coefficient: n-octanol/water</b>	Not determined.
<b>Autoignition Point</b>	Not determined.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	1521 Centistokes (25 °C) 600 Centistokes (40 °C) 50 Centistokes (100 °C)
<b>Explosive properties</b>	Material does not have explosive properties.
<b>Oxidising properties</b>	Material is a non-oxidising substance.

## 9.2 Other information

<b>Pour Point Temperature</b>	-24 °C, -11 °F
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*The above data are typical values and do not constitute a specification.*

<b>Section 10</b>	<b>Stability and Reactivity</b>
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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 room temperature and pressure. See the Handling and Storage Section for further details.

### 10.3 Possibility of hazardous reactions

Will not occur.

### 10.4 Conditions to avoid

High temperatures.

### 10.5 Incompatible materials

Acids. Oxidizing agents. Halogens and halogenated compounds.

### 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.

<b>Section 11</b>	<b>Toxicological Information</b>
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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

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

##### Inhalation

The LC50 (4 hr.) in rats for dust or mist of this material is > 50 mg/l. Based on data from components or similar materials.

#### Skin corrosion / irritation

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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

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

### 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.

<b>Section 12</b>	<b>Ecological Information</b>
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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

Not determined.

### Saltwater invertebrates

Not determined.

### Bacteria

Not determined.

## 12.2 Persistence and degradability

Substance	Pct. (weight)	Test type	Duration (days)	Pct. degradation
Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)-	From 10 to 19.9 percent	Closed Bottle	27	5
Dodecylphenol, mixed isomers (branched)	From 0.5 to 1.5 percent	Miscellaneous-Degradation	56	10
Dodecylphenol, mixed isomers (branched)	From 0.5 to 1.5 percent	Sturm	28	25

## 12.3 Bioaccumulative potential

Substance	Pct. (weight)	Test type	Duration (days)	Log Kow or BCF
Zinc, bis[O,O-bis(2-ethylhexyl) phosphorodithioato-S,S']-, (T-4)-	From 10 to 19.9 percent	Octanol-Water Coefficient	0.1	3.6
Dodecylphenol, mixed isomers (branched)	From 0.5 to 1.5 percent	Bioconcentration Factor	27	2.9
Dodecylphenol, mixed isomers (branched)	From 0.5 to 1.5 percent	Octanol-Water Coefficient	0.1	7.1

Triphenyl phosphite	From 0.1 to 0.9 percent	Octanol-Water Coefficient	0.1	5
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**12.4 Mobility in soil**

Not applicable.

**12.5 Results of PBT and vPvB assessment**

Not Available

**12.6 Other adverse effects**

None known.

<b>Section 13</b>	<b>Disposal Considerations</b>
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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.

<b>Section 14</b>	<b>Transport Information</b>
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**14.1 UN number**

<b>ADR/RID</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IMDG</b>	Not regulated

**14.2 UN proper shipping name**

<b>ADR/RID</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IMDG</b>	Not regulated

**14.3 Transport hazard class(es)**

<b>ADR/RID</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IMDG</b>	Not regulated

**14.4 Packing group**

<b>ADR/RID</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IMDG</b>	Not regulated

**14.5 Environmental hazards**

<b>ADR/RID</b>	Not applicable.
<b>ICAO</b>	Not applicable.
<b>IMDG</b>	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 6950J Contains Alkenyl amide (C11+)), ST 2, Cat Y

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

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

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## 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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#### Created by

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

#### Created Date

03 December 2010

#### Revision date

05 March 2012

#### SDS No.

21456944-2302843-2016281-102103

#### HMIS Codes

Health	Fire	Reactivity
2	1	0

#### Relevant R Phrases

- R22 -- Harmful if swallowed.
- R36/38 -- Irritating to eyes and skin.
- R41 -- Risk of serious damage to eye.
- 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.
- R62 -- Possible risk of impaired fertility.

#### Relevant hazard phrases

- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- 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 Disposal                 | Changed: 8 July 2011 |
| Section: 2 Storage procedures.      | Changed: 8 July 2011 |
| Section: 15 Taiwan                  | Changed: 8 July 2011 |
| Section: 16 Relevant hazard phrases | Changed: 8 July 2011 |

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