



Prepared according to 29CFR 1910.1200.

1	Chemical Product and Company Identification
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*The Lubrizol Corporation
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Tel: (440) 943-4200*

Product Trade Name	SOLEST 120
CAS Number	Not applicable for mixtures.
Synonyms	None.
Generic Chemical Name	Mixture.
Product Type	Multipurpose.
Preparation/Revision Date	27 May 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.	21674025-2123955-0014211-102103

2	Hazards Identification
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Appearance	Clear to yellow liquid.
Odor	Mild
Principal Hazards	This material has no known health hazards.

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients
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Hazardous Ingredients	This material has no known hazards under applicable laws.
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4	First Aid Measures
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Eyes	Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
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.
Oral	DO NOT INDUCE VOMITING. Get immediate medical attention.
Additional Information	Note to physician: Treat symptomatically.

5	Fire Fighting Measures
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Flash Point	251 °C, 485.1 °F ASTM D 92 (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. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.
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7	Handling and Storage
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Pumping Temperature	Not determined.
Maximum Handling Temperature	Not determined.

SOLEST 120

Handling Procedures

Keep containers closed when not in use. 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

See section 10 for incompatible materials.

Maximum Loading Temperature

Not determined.

8	Exposure Controls/Personal Protection
Exposure Limits	None established
Other Exposure Limits	None known.
Engineering Controls	Use with adequate ventilation.
Gloves Procedures	Neoprene.
Eye Protection	Safety Glasses.
Respiratory Protection	Use NIOSH/MSHA approved 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
Flash Point	251 °C, 485.1 °F ASTM D 92 (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	0.95 (20 °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	Clear to yellow liquid.
Viscosity	Not determined.
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
Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Strong acids. Strong bases. Strong oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid	Not determined.

11	Toxicological Information
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– ACUTE EXPOSURE –

Eye Irritation	Not expected to cause eye irritation. Based on data from components or similar materials.
Skin Irritation	Not expected to be a primary skin irritant. Based on data from similar materials.
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.

SOLEST 120

Dermal Toxicity
Inhalation Toxicity
Oral Toxicity
Dermal Sensitization
Inhalation Sensitization

The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
No data available to indicate product or components may be a toxic inhalation hazard.
The LD50 in rats is > 10,000 mg/Kg. Based on data from components or similar materials.
No data available to indicate product or components may be a skin sensitizer.
No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity
Carcinogenicity
Mutagenicity
Reproductive Toxicity

No data available to indicate product or components present at greater than 1% are chronic health hazards.
No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

Teratogenicity

-- ADDITIONAL INFORMATION --

Other

No other health hazards known.

12	Ecological Information
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-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity
Freshwater Invertebrates Toxicity
Algal Inhibition
Saltwater Fish Toxicity
Saltwater Invertebrates Toxicity
Bacteria Toxicity
Miscellaneous Toxicity

Not determined.
Not determined.
Not determined.
Not determined.
Not determined.
Not determined.
Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation
Bioaccumulation
Soil Mobility

Adequate data is not available to estimate the biodegradation potential of this material.
Less than 1.0% of the components display no potential to bioconcentrate.
Not determined.

13	Disposal Considerations
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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
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ICAO/IATA I
ICAO/IATA II
IMDG
IMDG EMS Fire
IMDG EMS Spill
IMDG MFAG
MARPOL Annex II
USCG Compatibility
U.S. DOT Bulk
DOT NAERG
U.S. DOT (Intermediate)
U.S. DOT Intermediate NAERG
U.S. DOT Non-Bulk
U.S. DOT Non-Bulk NAERG
Canada
Mexico
Bulk Quantity
Intermediate Quantity
Non-Bulk Quantity

Not regulated.
Not regulated.
Not regulated.
Not applicable.
Not applicable.
Not applicable.
Not determined.
Not determined.
Not regulated.
Not applicable.
Not regulated.
Not applicable.
Not regulated.
Not applicable.
Not regulated.
Not regulated.
85000 KG, 187391 lbs.
11000 KG, 24251 lbs.
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.
Other TSCA Reg.	None known.
EU	May require notification under EC Seventh Amendment Directive 92/32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	May require notification before sale under Australian regulations.
New Zealand	May require notification before sale under New Zealand regulations.
Canada	May require notification before sale under Canadian regulations.
Switzerland	May require notification before sale in Switzerland.
Korea	May require notification before sale in Korea.
Philippines	May require notification before sale under Philippines Republic Act 6969.
China	This product may require notification in China.
Taiwan	All components of this product are listed on the Taiwan inventory.

-- Other U.S. Federal Regulations --

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.								
SARA 311 Classifications	<table border="1"> <tr> <td>Acute Hazard</td><td>No</td></tr> <tr> <td>Chronic Hazard</td><td>No</td></tr> <tr> <td>Fire Hazard</td><td>No</td></tr> <tr> <td>Reactivity Hazard</td><td>No</td></tr> </table>	Acute Hazard	No	Chronic Hazard	No	Fire Hazard	No	Reactivity Hazard	No
Acute Hazard	No								
Chronic Hazard	No								
Fire Hazard	No								
Reactivity Hazard	No								
CERCLA Hazardous Substances	None known.								

-- State Regulations --

Cal. Prop. 65	This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.
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-- Product Registrations --

U.S. Fuel Registration	Not applicable.
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 --

Miscellaneous Regulatory Information	Not determined.
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16	Other Information
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US NFPA Codes	Health	Fire	Reactivity	Special
	0	1	0	N/E

(N/E) - None established

(N/E) - None established

HMIS Codes	Health	Fire	Reactivity
	0	1	0

Precautionary Labels

- This material has no known health hazards.

Revision Indicators	Section: 15 Japan meti.	Changed: 27 May 2012
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As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.