

1 Substance/Product Identification

Product Trade Name **160 PZ (MANEUROP)**
Plant Address **25 quai de France
76100 ROUEN
FRANCE
Phone # : 33 2 35 58 14 00**

Cas Number Confidential.
Synonyms Confidential.
Preparation/Revision Date 18 Jun 1999
Generic Chemical Name Polyol ester
Product Type Not applicable.
Emergency Phone Number (33 2) 35 58 14 88
MSDS No. 4389392-9539896-3382068

2 Composition/Information on Ingredients

Hazardous Ingredients
This material has no known hazards under applicable laws.

Exposure Limits See Section 8 for all substances with exposure limits.

3 Hazards Identification

Principal Hazards

• **This material has no known hazards.**
Lubrizol operates a World-wide system for hazard identification. Some principal hazards shown here may apply to non-EU countries and may not result in classification and labelling in the EU.

4 First Aid Measures

Ingestion DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
Eyes Flush with water at least 15 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.
Additional Information Note to physician: Treat symptomatically.

5 Fire Fighting Measures

Flash Point 217 Deg C, 422.6 Deg FPMCC(Typical)
Upper Flammable Limit Not Determined.
Lower Flammable Limit Not Determined.
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. Material will float on water.
Unusual Fire & Explosion Hazards Toxic fumes, gases or vapors may evolve on burning.
Autoignition Point Not Determined.
Explosion Data Material does not have explosive properties.

6 Accidental Release Measures

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. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

7	Handling and Storage
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Handling Procedures	Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
Storage Procedures	No special storage precautions required.

8	Exposure Controls/Personal Protection
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Exposure Limits	<p>Belgium Not applicable.</p> <p>EU Not applicable.</p> <p>Ireland Not applicable.</p> <p>UK Not applicable.</p>
Ventilation Procedures	Use with adequate ventilation.
Hand Protection	Use nitrile or neoprene gloves.
Eye Protection	Safety Glasses.
Respiratory Protection	Under normal use conditions, respirator is not usually required.
Clothing Recommendation	Long sleeve shirt is recommended.

9	Physical and Chemical Properties
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Vapour Pressure	Not Determined.
pH	Not Determined.
Specific Gravity	0.97 at 15.6 Deg C
Water Solubility	Insoluble.
Percent Volatile	Unknown.
Vapour Density	Not Determined.
Evaporation Rate	Not Determined.
Odour	Mild
Appearance	Clear liquid.
Viscosity	Unknown.
Odour Threshold	Unknown.
Boiling Point	Not Determined.
Freezing Point	Not Determined.
Molecular Weight	Not Determined.
Loading Temperature	Not Determined.

10	Stability and Reactivity
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Stability	Material is normally stable at moderately elevated temperatures and pressures.
Incompatibility	Strong acids. Strong bases.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

11	Toxicological Information
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-- ACUTE EXPOSURE--

Eye Irritation	Not expected to cause eye irritation. Based on data from 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 similar to that observed with mineral oil. Based on data from similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on similar materials.
Inhalation Toxicity	No data available to indicate product or components may be a toxic inhalation hazard.
Oral Toxicity	The LD50 in rats is > 5000 mg/Kg. Based on data from 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 No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
 Mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
 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.
 Other No other health hazards known.

12 Ecological Information**-- ENVIRONMENTAL TOXICITY --**

Freshwater Fish Toxicity Not Determined.
 Freshwater Invertebrates Toxicity Not Determined.
 Algae Toxicity Not Determined.
 Saltwater Fish Toxicity Not Determined.
 Saltwater Invertebrates Toxicity Not Determined.
 Bacteria Toxicity Not Determined.
 Miscellaneous Toxicity Not Determined.

-- ENVIRONMENTAL FATE --

Biodegradation Not Determined.
 Bioaccumulation Not Determined.
 Soil Mobility Not Determined.
 WGK WGK = 2.

13 Disposal Consideration

Waste Disposal This material, if discarded, should not be considered a European hazardous waste.

14 Transport Information

IMDG Not applicable.
 ICAO Not applicable.
 Ambient ADR/RID Not regulated
 Shipping Description Elevated ADR/RID Not Determined.
 Shipping Description.

15 Regulatory Information

Symbol(s) Not applicable.
 Indication of Danger Not classified as hazardous for supply, in accordance with EU legislation.
 Precautionary Labels Not applicable.
 Danish Registration Number Not Registered
 Switzerland All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
 Switzerland Bag T Registration Number Not Registered
 U.S. TSCA All components of this material are on the US TSCA Inventory.
 U.S. Fuel Registration Not applicable.
 U.S. Dept of Agriculture This product has not been filed with the USDA to support H2 approvals.
 U.S. Tariff Heading Number 3403.99.00.00
 U.S. Schedule B Number Not Determined.
 FDA Approval Not applicable.
 EU All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
 Japan MITI This product requires notification in Japan.
 Australia May require notification before sale under Australian regulations.
 Canada May require notification before sale under Canadian regulations.
 Canadian Registration Number Not Registered

Korea	May require notification before sale in Korea.
Korean Registration Number	Not Registered
Philippines	May require notification before sale under Philippines Republic Act 6969.
Finnish Registration Number	Not Registered
Sweden Registration Number	Not Registered
Norway Registration Number	Not Registered
China Registration Number	Not Registered
New Zealand Registration Number	Not Registered
Russia Registration Number	Not Registered
Malta Registration Number	Not Registered
Ukraine Registration Number	Not Registered

16	Other Information
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OSHA/WHMIS Substance Not applicable.

HMIS Codes

Health	Fire	Reactivity
1	1	0

Revision Indicators

	Section	Changed
13 WASTE DISPOSAL		20 March 1999
14 ADR/RID HAZARD CLASS/NUMBER		20 March 1999

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