

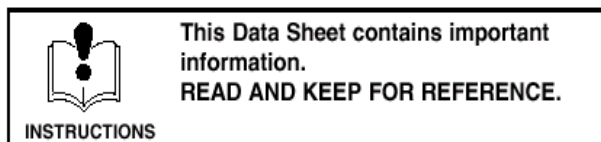
# Material Safety Data Sheet



**MSD041**

Rev. B

Updated: 12/06



## 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Chemical Name:** Synthetic Lubricating Oil

**Manufacturer / Supplier**

Graco

P.O. Box 1441

60 11th Ave. NE

Minneapolis, MN 55440-1441

**Part Number(s):** 288278

**Use:** Lubricant for E-Flo electric circulation pump gear reducer

### Emergency Information

Health Emergency (RMPC): (303)- 623-5716

Chemical Spills (Chemtrec): (800)- 424-9300

### Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Oil Mist in Air (Not Encountered in Normal Usage)	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		
<b>Hazardous Material Identification System (HMIS):</b>		Health - 1,	Flammability - 1,	Reactivity - 0
<b>Not a Controlled Product under (WHMIS) - Canada</b>		<b>Special Protection: See Section 9</b>		

### Section 3 - Health Hazard Data

**Threshold Limit Value** 5 mg/m<sup>3</sup> for oil mist in air. OSHA Regulation 29 CFR 1910.1000

**Effects of Overexposure** Prolonged or repeated skin contact may cause skin irritation. Product contacting the eyes may cause eye irritation. Human health risks vary from person to person. As a precaution, exposure to liquids, vapors, mists and fumes should be minimized. This product has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### Section 4 - Emergency and First Aid Procedures

**EYE CONTACT:** Flush with clear water for 15 minutes or until irritation subsides. If irritation persists, consult a physician.

**SKIN CONTACT:** Remove any contaminated clothing and wash with soap and warm water. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY. Delay may cause loss of affected part of the body.

**INHALATION:** Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician.

**INGESTION:** If ingested, call a physician immediately. Do not induce vomiting.

### Section 5 - Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b>	COC - 355 - 450°F	<b>Flammable Limits</b>	LEL 0.9%	UEL 7.0%
<b>Extinguishing Media</b>	Foam, Dry Chemical, Carbon Dioxide or Water Spray (Fog)			
<b>Special Fire Fighting Procedures</b>	Cool exposed containers with water. Use air-supplied breathing equipment for enclosed or confined spaces.			
<b>Unusual Fire and Explosion Hazards</b>	Do not store or mix with strong oxidants. Empty containers retain residue. Do not cut, drill, grind, or weld, as they may explode.			

#### Section 6 - Physical/Chemical Characteristics

Boiling Point	>550°F	Specific Gravity (H <sub>2</sub> O = 1)	0.8403 - 0.8708
Vapor Pressure (mm Hg.)	<0.01	Melting Point	Liquid
Vapor Density (AIR = 1)	>5	Evaporation Rate (Butyl Acetate = 1)	<0.01
Solubility in Water	Negligible		
Appearance and Odor	Odorless, clear, water-white appearance.		

#### Section 7 - Reactivity Data

Stability	Unstable Stable X	Conditions to Avoid	N/A
Incompatibility (Materials to Avoid)	Avoid contact with strong oxidants like liquid chlorine, concentrated oxygen.		
Hazardous Decomposition or Byproducts	May form SO <sub>2</sub> . If incomplete combustion, Carbon Monoxide.		
Hazardous Polymerization	May Occur Will Not Occur X	Conditions to Avoid	N/A

#### Section 8 - Spill or Leak Procedures

##### Steps to be taken in case material is released or spilled

Recover liquid, wash remainder with suitable petroleum solvent or add absorbent. Keep petroleum products out of sewers and water courses. Advise authorities if product has entered or may enter sewers and water courses.

##### Waste disposal method

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved waste disposal facility or site.

#### Section 9 - Special Protection Information

Respiratory Protection (Specify type)	Normally not needed		
Ventilation	Local Exhaust Mechanical (General)	Used to capture fumes and vapors	Special N/A Other N/A
Protective Gloves	Use oil-resistant gloves, if needed.		Eye Protection If chance of eye contact, wear goggles.
Other Protective Equipment	Use oil-resistant apron, if needed.		

#### Section 10 - Special Precautions

##### Precautions to be taken in handling and storing

Keep containers closed when not in use. Do not handle or store near heat, sparks, flame, or strong oxidants.

##### Other Precautions

Avoid breathing oil mist. Remove oil-soaked clothing and launder before reuse. Cleanse skin thoroughly after contact.

<b>Prepared By</b>	Brad Byron
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**NOTES:** NA = Not Applicable; NE = Not Established; UN = Unavailable

*All written and visual data contained in this document reflects the latest product information available at the time of publication.*

*Graco reserves the right to make changes at any time without notice.*

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