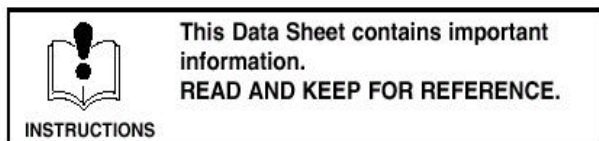


Material Safety Data Sheet

MSD021

Rev. A

Updated: 11/26/02

*First choice when quality counts.*

1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:**Chemical Name:** Manufacturer / Supplier

Graco Inc.

P.O. Box 1441

60 11th Ave. NE

Minneapolis, MN 55440-1441

Part Number(s): 246377**Use:** Replacement oil for most pressure washer pumps.**Emergency Information**

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

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

2.0 COMPOSITION / INFORMATION ON INGREDIENTS

Component %	CAS#	% by Weight
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For exposure data, see 8.0, Exposure Controls / Personal Protection.

3.0 HAZARDS IDENTIFICATION

Emergency Overview:

Biodegradability: Nil RCRA Status: Not hazard as supplied.

OSHA Status: None established for liquid form. Oil mist in air is regulated – 5 MG oil mist per cubic meter of air. 8 hour TWA.

SARA Title III: Not subject to reporting.

Health Status: No hazard under normal conditions of use. Protect from smoke and fumes if product is accidentally burned.

NFPA Code	Health 1, Fire 1, Reactivity 0
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Hazard Rating: least = 0, slight = 1, moderate = 2, high = 3, extreme = 4

4.0 FIRST AID MEASURES

Eye	First flush with plain cold water for 5-15 minutes. Then eye wash. See professional medical follow up if irritation persists.
Inhalation	For exposure to unusual buildup of fumes, remove victim to fresh air or put on oxygen until revived. If any liquid aspirated into lungs, seek emergency medical attention immediately.
Ingestion	Don't panic. Small amounts not normally toxic, do not induce vomiting, seek immediate medical advice.

. NOTES: NA = Not Applicable;

NE = Not Established;

UN = Unavailable

5.0 FIREFIGHTING MEASURES

Flashpoint	> 300 F Pensky Martens closed cup.
Flammable Limits	Vapors are not known to be explosive below flash point
Special Procedures	Cool exposed containers with water fog. Wear protective respiratory equipment

GRACO INC. P.O. BOX 1441 MINNEAPOLIS, MN 55440-1441

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Extinguishing Media	Foam, dry chemical, CO ₂ , avoid water on oil fires Do not torch or weld near empty or full containers. No other unusual hazard. Typical high flash petroleum product.
Unusual Fire and Explosion Hazards	
Firefighting Equipment	
Hazardous Combustion Products	

6.0 ACCIDENTAL RELEASE MEASURES

Less than one Gallon:
More than one Gallon:

7.0 HANDLING AND STORAGE

Handling Storage	
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8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection	Wear when pouring and near splashy areas. Standard safety glasses with side shields or chemical protection goggles. Not normally required, fans & fresh air to reduce odor Not normally required, sensitive persons use latex type glove Long sleeves. Chemical apron may be advisable for sensitive person
Ventilation	
Gloves	
Other	

Exposure Data:

<u>Component</u>	<u>CAS#</u>	<u>Exposure Limits</u>

NOTES: NA = Not Applicable; NE = Not Established; UN = Unavailable.

9.0 CHEMICAL AND PHYSICAL PROPERTIES

Appearance and Odor	Clear amber liquid, typical oily smell
pH	Neutral
Vapor Pressure (mm Hg)	Very low: < 5 MM MG
Vapor Density (Air = 1)	
Boiling Point	
Melting Point	
Solubility in Water	Insoluble
Specific Gravity (Water = 1)	0.85 – 0.87
% Volatile	Unknown, expected to be nil.
Evaporation	No

10.0 STABILITY AND REACTIVITY

Stability	Stable
Conditions to Avoid	
Incompatibility	Strong acids or oxidizers
Thermal Decomposition	Smoke, oxides of carbon, nitrogen, sulfur
Hazardous Polymerization	No

Spill or Leak Procedure:

Spills are very slippery. 1. Shut off source if safely able. 2. Contain perimeter of spill with absorbent material. 3. Prevent spill from entering sewer or watercourse. 4. Notify appropriate authorities (local environmental for landslide, U.S. Coast guard if oil sheen on navigable water). 5. Absorb or pump up remainder of spill. 6. Comply with local regulations in handling spent absorbents and provide recovered oil to recycler.

11.0 TOXICOLOGICAL INFORMATION

Eye Irritation	Mildly irritating to eye, flush with water to clear.
Skin Irritation– LD50	Non-irritating, individual response varies; avoid prolonged contact
Inhalation – LC50 >	Oil mist in air 5 MG/M3 air 8 hr TWA. (Not normally misted)
Oral – LD50 >	Practically non-toxic to humans.

Other Toxicity Data:

NOTE:

12.0 ECOLOGICAL INFORMATION

13.0 DISPOSAL INFORMATION

Minimize waste by filtration and reuse. Do not release used oil to environment. Provide to recycler. Do not allow mixture with chlorinated solvents or other hazardous materials. It is the user's responsibility to conform to local disposal laws. Analyze and characterize waste streams, and provide proper disposal. Additional Information: Store containers upright to prevent seepage from bungs. Store in protected area away from heat, fire, or sources of ignition.

NOTES: NA = Not Applicable; NE = Not Established; UN = Unavailable.

14.0 TRANSPORTATION INFORMATION

U.S. Dept. of Transportation:

Shipping Name	None
International Information:	Lubricating oils are non-regulated at this time. (DOT regs. Pending)
Sea (IMO/IMDG) Shipping Name	UN
Air (ICAO/IATA) Shipping Name	
European Road / Rail (ADR/RID) Shipping Name	
Canadian Transportation of Dangerous Goods Shipping Name	

15.0 REGULATORY INFORMATION

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4)	Not subject to reporting
SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355)	
SARA Title III Section 311/312 Hazardous Categorization (40 CFR Part 370)	
SARA Title III Sections 313 (40 CFR Part 372)	
U.S. Inventory (TSCA)	
OSHA Hazard Communication Standard	
Canada – Worker Hazardous Materials Information System (WHMIS)	

Food Contact Status:

USDA	
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16.0 OTHER INFORMATION

Prepared By	Graco, Inc.
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This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we have received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this Data Sheet may not be adequate for all individuals and/or situations. It is the users' obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

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*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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