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Prepared according to 29CFR 1910.1200.

1	Chemical Product and Company Identification
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Product Trade Name	VILTER 71.7
CAS Number	Not applicable for mixtures.
Synonyms	None.
Generic Chemical Name	Mixture.
Product Type	Refrigeration Lubricants
Preparation/Revision Date	19 October 2012
Transportation Emergency Phone No.	FOR TRANSPORT EMERGENCY CALL CHEMTREC: (811) 553-327-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)
MSDS No.	32180253-4714326-113211-102102

2	Hazards Identification
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Appearance	Clear to yellow liquid
Color	White
Principal Hazards	<ul style="list-style-type: none"> • Corrosive • May cause eye irritation.

See Section 11 for complete health hazard information.

3	Composition/Information on Ingredients
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Hazardous Ingredients	This material contains no ingredients requiring disclosure under regulatory hazard criteria for this jurisdiction. See Section 11 for additional details.
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4	First Aid Measures
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Eyes	Rinse continually with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
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 severe 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	226 °C/ 438.8 °F OGC (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.
Liquid 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
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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.

7	Handling and Storage
Pumping Temperature	Not determined.
Maximum Handling Temperature	Not determined.
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	Contains mineral oil. Under conditions which may generate mist, observe the OSHA PEL of 5 mg per cubic meter, ACGIH TWA of 5 mg per cubic meter.
Engineering Controls	Use with adequate ventilation.
Gloves Procedures	Nitrile.
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	Launder sleeves and/or contaminated. Launder contaminated clothing before reuse.
9	Physical and Chemical Properties
Flash Point	226 °C, 438.8 °F OGC (Typical)
Upper Flammable Limit	Not determined.
Lower Flammable Limit	Not determined.
Autoignition Point	246 °C, 474.8 °F
Explosion Data	Material does not have explosive properties.
Vapor Pressure	Not determined.
pH	Not determined.
Specific Gravity	0.87 (15.6 °C)
Bulk Density	7.1 Lb/gal, 0.89 Kg/L
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	69 Centistokes (40 °C) 9.1 Centistokes (100 °C)
Odor Threshold	Not determined.
Boiling Point	Not determined.
Pour Point Temperature	Not determined.
Melting / Freezing Point	Not determined.
<i>The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.</i>	
10	Stability and Reactivity
Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Sulfide, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid	Not determined.

11	Toxicological Information
- ACUTE EXPOSURE -	
Eye Irritation	May cause eye irritation. Does not meet Canadian D2D or EUB36 criteria. Based on data from similar materials.
Skin Irritation	Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from a clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Respiratory Irritation	If material is misused 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.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or 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 > 3000 mg/Kg. Based on data from components or 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	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-3-6 test.
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.
ADDITIONAL INFORMATION	
Other	No other health hazards known.
12	Ecological Information
ENVIRONMENTAL TOXICITY	
Freshwater Fish Toxicity	The acute LC50 is 100 - 1000 mg/l, based on component data.
Freshwater Invertebrates Toxicity	Not determined.
Algal Inhibition	Not determined.
Saltwater Fish Toxicity	Not determined.
Saltwater Invertebrates Toxicity	Not determined.
Bacteria Toxicity	The acute EC50 is > 1000 ppm based on component data.
Miscellaneous Toxicity	Not determined.
ENVIRONMENTAL FATE	
Biodegradation	At least 25% of the components in this product show moderate biodegradation based on OECD 301-type test data. At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.
Bioaccumulation	Less than 1.0% of the components potentially bioaccumulate based on octanol/water coefficients.
Soil Mobility	Not determined.
13	Disposal Considerations
Waste Disposal	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 361. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
14	Transport Information
ICAO/IATA I	Not regulated.
ICAO/IATA II	Not regulated.
IMDG	Not regulated.
EMC/EMS Fire	Not applicable.
IMDG RMS Spill	Not applicable.
IMDG MEAG	Not applicable.
MARPOL Annex II	Not determined.
I.S.C.G Compatibility	Not determined.
U.S. DOT Bulk	Not regulated.
DOT NAERG	Not applicable.
U.S. DOT (Intermediate)	Not regulated.
U.S. DOT Intermediate NARRG	Not applicable.

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U.S. DOT Non-Bulk	Not regulated
U.S. DOT Non-Bulk NAERG	NA applicable
Canada	Not regulated
Mexico	Not regulated
Bulk Quantity	55000 KG, 121251 lbs
Intermediate Quantity	11000 KG, 24251 lbs
Non-Bulk Quantity	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	All components are in compliance with the EC Seventh amendment Directive 92/32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the inventory of Existing Chemical Substances in China.
Taiwan	May require notification before sale in Taiwan.

- 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 substances) of any chemical substances listed under SARA Section 313.								
SARA 311 Classifications	<table border="1"> <tr> <td>Aqua 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>	Aqua Hazard	No	Chronic Hazard	No	Fire Hazard	No	Reactivity Hazard	No
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Chronic Hazard	No								
Fire Hazard	No								
Reactivity Hazard	No								

CERCLA Hazardous Substances None known.

- State Regulations -

Cal. Prop. 65 This product contains the following chemicals known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: 8-pen Ethyl acrylate, CAS no. 146-88-5

- Product Registrations -

U.S. Fuel Registration	Not applicable
British 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.

16	Other Information
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US NFPA Codes	<table border="1"> <thead> <tr> <th>Health</th> <th>Fire</th> <th>Reactivity</th> <th>Special</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>0</td> <td>NE</td> </tr> </tbody> </table>	Health	Fire	Reactivity	Special	1	1	0	NE
	Health	Fire	Reactivity	Special					
1	1	0	NE						
NEB - Not established									
HMS Codes	<table border="1"> <thead> <tr> <th>Health</th> <th>Fire</th> <th>Reactivity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>0</td> </tr> </tbody> </table>	Health	Fire	Reactivity	1	1	0		
	Health	Fire	Reactivity						
1	1	0							

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Precautionary Labels

Caution

- May cause eye irritation.

Revision Indicators

Section: 1 Product type	Changed: 25 September 2012
Section: 2 Principal hazards	Classed: 25 September 2012
Section: 3 Hazardous ingredients	Changed: 25 September 2012
Section: 4 Eyes first aid	Changed: 25 September 2012
Section: 7 Special firefighting procedures	Changed: 25 September 2012
Section: 8 Hazardous ingredients	Changed: 25 September 2012
Section: 11 Classification	Changed: 25 September 2012
Section: 11 Disposal	Classed: 25 September 2012
Section: 12 Acute toxicity	Changed: 25 September 2012
Section: 12 4 Concentration	Changed: 25 September 2012
Section: 12 Accumulation	Changed: 25 September 2012
Section: 15 Australia	Changed: 12 October 2012
Section: 15 China	Changed: 13 October 2012
Section: 15 Japan/SEI	Classed: 25 September 2012
Section: 15 Korea	Changed: 12 October 2012
Section: 15 New Zealand	Changed: 8 October 2012
Section: 15 Philippines	Classed: 13 October 2012
Section: 15 Switzerland	Changed: 25 September 2012
Section: 15 Taiwan	Changed: 25 September 2012
Section: 16 Principal hazards	Classed: 25 September 2012

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