

SAFETY DATA SHEET

According to HCS 2012

Section 1: Identification

Product Identifier: Vilter 717 Series

Product Code: Not available

Recommended use: Industrial Lubricant

Recommended Restrictions on use: None known.

Manufacturer Information

Name: Vilter

Address: 5555 S. Packard Ave

Cudahy, WI 53110

FAX number: 989-486-8383

Emergency phone number: 989-486-8330

Section 2: Hazard(s) Identification

Physical hazards: Not Classified.

Health hazards: Not Classified.

OSHA defined hazards: Not Classified.

Hazard(s) Not Otherwise Classified (HNOC): None known.

Label elements

Signal word: None.

Hazard statements: Not classified as hazardous.

Precautionary statements

Prevention: Wear appropriate personal protection equipment.

Response: Wash hands thoroughly after use.

Storage: Keep away from incompatible materials.

Disposal: Dispose in accordance with local/state/national requirements.

Section 3: Composition/information on ingredients

Chemical Name	Common name/Synonyms	CAS number	%
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	Not available.	64742-54-7, 64742-55-8	< 73%
Lubricating oils(petroleum), C20-C50, hydrotreated neutral oil-based, high-viscosity	Not available.	72623-85-9	< 15%
Additives	Not available.	Not applicable.	0 -5%

Section 4: First-aid measures

Inhalation: Move victim to fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Skin contact: Wash affected area with soap and water.

Eye contact: Flush eyes with water for at least 15 minutes. If irritation develops seek medical attention.

Ingestion: If swallowed and symptoms develop seek medical attention.

Most important symptoms/effects, acute and delayed: Prolonged contact may result in mild skin irritation and drying and cracking. Effects of overexposure may include irritation of the digestive tract, irritation of the respiratory tract, nausea and diarrhea.

Indication of immediate medical attention and special treatment needed: If exposed and experiencing symptoms, seek medical attention and indicate materials involved.

Section 5: Fire-fighting measures

General fire hazards: This material may burn, but will not readily ignite.

Suitable extinguishing media: Dry chemical, CO₂, foam and water spray.

Unsuitable: Straight streams of water.

Specific hazards arising from the chemical: If container is not properly cooled, it can rupture in the heat of a fire.

Special protective equipment: Self-contained breathing apparatus and protective clothing.

Precautions for fire-fighters: Low hazard, liquid can burn upon heating to elevated temperatures. Isolate immediate hazard area, keep unauthorized personnel out. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate protective equipment.

Methods/materials for containments and clean-up: Absorb the material with inert absorbent and dispose of in accordance with federal, state and local laws.

Section 7: Handling and storage

Precautions for safe handling: Avoid inhalation of mists or vapors. Avoid prolonged or repeated contact with skin and eyes. Ensure adequate ventilation and wash hands after use.

Conditions for safe storage: Ground containers when transferring to avoid static discharge. Keep container closed.

Incompatible materials: Avoid contact with strong oxidizing agents.

Section 8: Exposure controls/ personal protection

Chemical name	OSHA/ACGIH	PEL/STEL	Value
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	ACGIH	TLV-TWA	5mg/m ³ , inhalable fraction
	OSHA Z-1	PEL	5mg/m ³ , oil mist (mineral)
	NIOSH	STEL	Mg/m ³ oil mist (mineral)
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based, high-viscosity	ACGIH	TLV-TWA	5mg/m ³

Appropriate engineering controls: Use good ventilation typically 10 air changes per minute should be used.

Respiratory protection: If vapor or mist is generated wear a NIOSH/MSA approved organic vapor/mist respirator.

Eye protection: Wear approved safety glasses with side shields or goggles.

Skin protection: Wear protective clothing and gloves to minimize exposure.

General considerations: Follow standard safe industrial chemical handling practices.

Section 9: Physical and chemical properties

Appearance

Physical state: Liquid

Color: Clear to slightly yellow

Odor: Mild petroleum

Odor threshold: Not available.

pH: Not available.

Melting point/freezing point: Not available.

Initial boiling point/boiling point range: >500°F, >260°C

Flashpoint: 350°F, 177°C; ASTM D-92

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Flammability limits

Upper flammability limit: Not available.

Lower flammability limit: Not available.

Explosive limit

Upper explosive limit: Not available.

Lower explosive limit: Not available.

Vapor pressure: <1 mmHg @20°C

Vapor density: >1

Relative density: 0.86-0.90

Solubility in water: Insoluble in water.

Partition coefficient: n-octanol/water: Not available.

Auto-ignition temperature: 670°F, 354°C

Decomposition temperature: Not available.

Viscosity: >20.5 - 220cST @40°C

Section 10: Stability and reactivity

Reactivity: Stable under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: Polymerization is not known to occur.

Conditions to avoid: Avoid contact with incompatible materials and elevated temperatures.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides, nitrogen oxides, sulfur oxides, phosphorous and zinc oxides.

Section 11: Toxicological information

Information on likely routes of exposure

Inhalation: Adverse effects are not expected due to inhalation.

Ingestion: Adverse effects are not expected due to ingestion.

Skin contact: Prolonged or repeated contact with skin may cause mild irritation or dryness.

Eye contact: May cause temporary irritation of the eye.

Symptoms related to the physical, chemical and toxicological characteristics: Prolonged contact may result in mild skin irritation and drying and cracking. Effects of overexposure may include irritation of the digestive tract, irritation of the respiratory tract, nausea and diarrhea.

Information on effects

Acute Toxicity: Not acutely toxic.

Irritation/Sensitization effects: Based on available data for components, product is not classified as sensitizing or irritating.

Germ Cell Mutagenicity: Based on available data for components, product is not known to be mutagenic.

Carcinogenicity: The petroleum base oils contained in this product have been highly refined through a variety of processes including severe hydrocracking, because of this, this product and/or its components are not considered carcinogenic by NTP, IARC or OSHA.

Specific target organ toxicity-single exposure: Based on available data for components, product is not known to cause target organ effects.

Specific target organ toxicity-repeat exposure: Based on available data, does not meet requirements for classification. Administration of certain mineral hydrocarbon white oils in the diet of Fisher344 rats at 100 mg/kg/day for 90days resulted in the formation of microgranulomas in the liver. This response was not observed in studies conducted with other rat strains or dogs. Microgranulomas like those observed in the Fisher344 rats have not been observed in humans.

Aspiration: Not an aspiration hazard.

Section 12: Ecological information

Ecotoxicity: Acute and chronic aquatic testing on lubricant base oils. Results indicate acute aquatic toxicities to fish, daphnia, ceriodaphnia and algal species of >1,000 mg/L using either water accommodated fractions or oil in water dispersions. Lubricate base oils mainly contain hydrocarbons having carbon numbers in the range of C15 to C50, it is predicted that acute toxicity would not be observed with these substances due to low water solubility. Results from chronic toxicity tests show that the no observed effect level (NOEL) usually exceeds 1,000 mg/L for lubricants base oils with the overall weight of experimental evidence leading to the conclusion that lubricant base oils do not cause chronic toxicity to fish and invertebrates.

Persistence and degradability: No data available.

Bioaccumulation potential: No data available.

Mobility in soil: No data available.

Other adverse effects: Based on available data, no other adverse effects are expected.

Section 13: Disposal considerations

Waste disposal method: Dispose of in accordance with all federal, state, and local laws.

RCRA hazard class: Not applicable

Section 14: Transportation information

DOT

NOT REGULATED

IATA

NOT REGULATED

IMDG

NOT REGULATED

Special precautions: Carefully read and consider all recommendations of the SDS before handling.

Transportation in bulk (Annex II of MARPOL73/78 and the IBC code): Not applicable

Section 15: Regulatory information

US Federal regulations: This product is not considered to be hazardous under OSHA.

Inventory status(s):

TSCA (Toxic Substance Control Act): All components of this product are listed or comply with TSCA. Any impurities are not required to be listed.

CERCLA Hazardous Substance List: None listed.

SARA 311/ 312 hazardous chemical: No

Fire hazard: No

Reactive Hazard: No

Immediate hazard: No

Delayed hazard: No

SARA 313: None listed.

State regulations: None listed.

WHMIS: Non-controlled.

Section 16: Other information, including date of preparation or last revision

Preparation Date: 03/08/2019

Revision Date:

Version number: 1.1

Disclaimer:



SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

Product identifier

Product name: VILTER 717 (2939 Series Part Numbers)

Additional identification

Chemical name: Mixture
CAS-No.: Not applicable.

Recommended use and restriction on use

Recommended use: Not determined.
Restrictions on use: Not determined.

Details of the supplier of the safety data sheet

Supplier

Company Name: Vilter Manufacturing LLC

Address: 5555 S Packard Avenue
Cudahy, WI 53110
US

Telephone: 414-744-0111

Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1)703 527 3887, OR WITHIN USA 800 424 9300 (LUBRIZOL)

2. Hazards Identification

Classification of the substance or mixture

Prepared according to Global Harmonized System (GHS) standards.

Not classified

Label Elements: Not Applicable.

Other hazards which do not result in GHS classification: None identified.

3. Composition/Information on Ingredients

Mixtures

General information: No hazardous ingredients.

4. First aid measures

Description of first aid measures

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

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Skin Contact: Wash with soap and water. Get medical attention if symptoms occur. Launder contaminated clothing before reuse.

Ingestion: Treat symptomatically. Get medical attention.

Most important symptoms and effects, both acute and delayed: See section 11.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Extinguishing media

Suitable extinguishing media: CO₂, Dry chemical or Foam. Water can be used to cool and protect exposed material.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazard arising from the chemical: A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Recommend wearing self-contained breathing apparatus.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations.

Environmental Precautions: Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

Reference to other sections: See sections 8 and 13 for additional information.

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7. Handling and Storage:

Precautions for safe handling: Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Use grounding and bonding connection when transferring material. In case of spills, beware of slippery floors and surfaces. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.

Maximum Handling Temperature: Not determined.

Conditions for safe storage, including any incompatibilities: Store away from incompatible materials. See section 10 for incompatible materials.

Maximum Storage Temperature: Not determined.

8. Exposure Controls/Personal Protection

Control Parameters:

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Mineral oil - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (03 2014)
Mineral oil - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (02 2012)
Mineral oil - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (03 2014)

Appropriate engineering controls: No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required.

Eye/face protection: If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand Protection: Nitrile. Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water.

Other: No data available.

Respiratory Protection: Use disposable dust/mist mask if the recommended exposure limit is exceeded. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

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9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Colorless to yellow

Odor:

Mild

Odor Threshold:

No data available.

pH:

No data available.

Freezing point:

No data available.

Boiling Point:

No data available.

Flash Point:

226 °C (Cleveland Open Cup)

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Upper/lower limit on flammability or explosive limits

Flammability Limit - Upper (%): No data available.

Flammability Limit - Lower (%): No data available.

Vapor pressure:

No data available.

Vapor density (air=1):

No data available.

Relative density:

0,867 (15,6 °C)

Solubility(ies)

Solubility in Water: Insoluble in water

Solubility (other): No data available.

Partition coefficient (n-octanol/water):

No data available.

Autoignition Temperature:

246 °C

Decomposition Temperature:

No data available.

Viscosity:

69 mm²/s (40 °C); 9,1 mm²/s (100 °C)

Explosive properties:

No data available.

Oxidizing properties:

No data available.

Pour Point Temperature

No data available.

Other information

Bulk density: 7,4 lb/gal (25 °C)

10. Stability and Reactivity

Reactivity: No data available.

Chemical Stability: Material is stable under normal conditions.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Do not expose to excessive heat, ignition sources, or oxidizing materials.

Incompatible Materials: Strong acids. Oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

VILTER 717 (2939 Series Part Numbers)**11. Toxicological Information****Information on likely routes of exposure**

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects**Acute toxicity****Oral**

Product: Not classified for acute toxicity based on available data.

Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation:

Product: Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Remarks: Not classified as a primary skin irritant.

Serious Eye Damage/Eye Irritation:

Product: Remarks: Not classified as a primary eye irritant.

Respiratory sensitization:

No data available

Skin sensitization:

No data available

Specific Target Organ Toxicity - Single Exposure:

No data available

Aspiration Hazard:

No data available

Chronic Effects**Carcinogenicity:**

Product: This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

Germ Cell Mutagenicity:

No data available

Reproductive toxicity:

No data available

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Specific Target Organ Toxicity - Repeated Exposure:
No data available

12. Ecological Information**Ecotoxicity****Fish**

No data available

Aquatic Invertebrates

No data available

Toxicity to Aquatic Plants

No data available

Toxicity to soil dwelling organisms

No data available

Sediment Toxicity

No data available

Toxicity to Terrestrial Plants

No data available

Toxicity to Above-Ground Organisms

No data available

Toxicity to microorganisms

No data available

Persistence and Degradability**Biodegradation**

No data available

Bioaccumulative Potential**Bioconcentration Factor (BCF)**

No data available

Partition Coefficient n-octanol / water (log Kow)

No data available

Mobility:

No data available

Other Adverse Effects:

No data available.

13. Disposal Considerations**Disposal methods:**

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging:

Container packaging may exhibit hazards.

VILTER 717 (2939 Series Part Numbers)**14. Transport Information****IATA**

Not regulated.

ADR

Not regulated.

International standards**IMDG**

Not regulated.

Code of Emergency Measure:

Domestic Standard: In compliance with domestic law.

Environmental hazards: Not regulated.

Special precautions for user: No special precautions.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

15. Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.:****Inventory Status****Australia (AICS)**

All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDSL)

All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH)

To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH, or e-mail us at REACH_MSDS_INQUIRIES@Lubrizol.com

Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)

All components are in compliance in Korea.

New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

VILTER 717 (2939 Series Part Numbers)**Taiwan (TCSCA)**

All components of this product are listed on the Taiwan inventory.

United States (TSCA)

All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

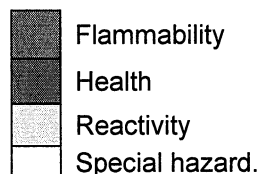
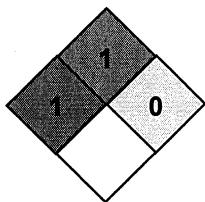
16. Other Information

Key literature references and sources for data: Internal company data and other publically available resources.

HMIS Hazard ID

Health	0
Flammability	1
Physical Hazards	0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 07.03.2015

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