Monarch Oil
INDUSTRIAL - AUTOMOTIVE - COMMERCIAL

Safety Data Sheet
Monarch Vacuum Pump Oil 68

1. IDENTIFICATION

Product Identification
Product Name: Monarch Vacuum Pump Oil 68
Product Number: VAC68PL
Recommended Use: Vacuum Pump Oil
Restricted Use: None Known

Company Identification
Monarch Oil LTD.
2216 Shirley Dr.
Kitchener, ON, N2B 3Y1
519-743-8241 (For product information)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
This material is not considered hazardous in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17.

WHMIS 2015 CLASSIFICATION:
Not Classified

PHYSICAL HAZARDS:
Not Classified

HEALTH HAZARDS:
Not Classified

LABEL ELEMENTS:
None

SIGNAL WORD:
No Signal Word.

SYMBOL(S):
None

HAZARD STATEMENT(S):
No known significant effects or critical hazards.

PRECAUTIONARY STATEMENT(S):

GENERAL PRECAUTIONARY STATEMENT(S):

Hazard Rating	
	HMIS
Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	B

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

PREVENTION PRECAUTIONARY STATEMENT(S):
Not applicable.

RESPONSE PRECAUTIONARY STATEMENT(S):
Not applicable.

STORAGE PRECAUTIONARY STATEMENT(S):
Store in a dry place.
Store in a closed container.

DISPOSAL PRECAUTIONARY STATEMENT(S):
Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:
No additional information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
Highly Refined Petroleum Base Oil	97 – 99%	Mixture
Additives	< 3%	Proprietary

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SKIN CONTACT FIRST AID:
Wash skin with plenty of soap and water while removing contaminated clothing and shoes.

INHALATION FIRST AID:
IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

INGESTION FIRST AID:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

NOTES TO PHYSICIAN:
Treat Symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
Flash Point (Typical) Method: 238 °C (460 °F)
Autoignition Temperature: N/A

NFPA FLAMMABILITY CLASSIFICATION:
NFPA Class-IIIB combustible material.

FLAMMABLE LIMITS IN AIR
LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:
Carbon dioxide, water fog, foam, or dry powder. Do not use water, because this product is oil based. Water or foam may cause frothing.

FIRE & EXPLOSION HAZARDS:
Can burn in fire, releasing toxic vapors, fumes, and smoke.

FIRE FIGHTING INSTRUCTIONS:
As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:
Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO2.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):
Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

INITIAL CONTAINMENT:
Absorb spills with inert material. Do not allow material to enter soil or surface water.

LARGE SPILLS PROCEDURE:
Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

SMALL SPILLS PROCEDURE:
Absorb spills with inert material.

MISCELLANEOUS:
Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):
DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):
Secure container after each use. Store in a cool dry area.

Avoid contact with strong oxidizing agents.

STORAGE PRECAUTIONS:
Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

Material	Source	Type	mg/m3
Oil Mist, Mineral	ACGIH	TWA (Inhalable fraction.)	5 mg/m3
Oil Mist, Mineral	ACGIH	STEL(Mist.)	10 mg/m3
Oil Mist, Mineral	OSHA	TWA (Mist.)	5 mg/m3

ENGINEERING CONTROLS:
Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

EYE / FACE PROTECTION REQUIREMENTS:
When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:
Where contact is likely, wear chemical resistant gloves.

RESPIRATORY PROTECTION REQUIREMENTS:
Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

GENERAL COMMENTS:
Always observe good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, etc...

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....: Liquid
ODOR .....: Mild Petroleum
VAPOR PRESSURE.....: Less than 0.1 mm Hg at 68°F (20°C)
VAPOR DENSITY .....: Heavier than air (Air = 1)
AUTOIGNITION TEMPERATURE .: Not Available
SPECIFIC GRAVITY .....: .8720 Approximately
DENSITY .....: 7.26/lb Approximately
MELTING PT. .....: Not Determined
VISCOSITY .....: 68 cSt at 40 °C
FLASH PT. .....: 460 °F

10. STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with strong oxidizing agents.

DECOMPOSITION: In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

CONDITIONS TO AVOID: Excessive heat. Avoid all sources of ignition.

11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION:
Based on data on the components and the toxicology of similar materials

ROUTES OF ENTRY:
Skin, Eyes, Ingestion, and Inhalation.

ACUTE EXPOSURE:

EYE IRRATATION:
Not expected to cause eye irritation. Based on data from components or similar materials.
Vapors may cause irritation.

SKIN IRRATATION:
Slightly irritating based on data from components or similar materials. Prolonged or repeated skin contact without proper hygiene may result in skin disorders such as acne.

RESPIRATORY IRRITATION:
Based on data from components and similar materials, Inhalation of vapors or mists may cause irritation.

DERMAL TOXICITY:
Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit

ORAL TOXICITY:
Expected to be of low toxicity: LD50 > 5000 mg/kg , Rat

INHALATION TOXICITY:
Based on data from components and similar materials, product is not considered to be an inhalation hazard under normal conditions of use.

SENSITISATION:
Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components or similar formulations.

CHRONIC EXPOSURE:

CHRONIC TOXICITY:
No data available to indicate product or components present at greater than 1% are chronic health hazards.

CARCINOGENICITY:
Product contains mineral and/or synthetic oils shown to be noncarcinogenic in laboratory studies with the same or similar materials. Mineral and synthetic oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

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.

TERATOGENCITY:
No data available to indicate either product or components present at greater than 0.1% that may cause birth defects.

ADDITIONAL INFORMATION:
No other health hazards known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:
Ecological Toxicity data has not been determined specifically for this product. The ecological toxicity hazard is based on an evaluation of data for the components or a similar material. This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

ENVIRONMENTAL FATE
This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if discarded, is not considered a hazardous waste.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL ..... : Monarch Vacuum Pump Oil 68

D.O.T SHIPPING NAME .....: Not Regulated by DOT

IMDG: This material is not classified as dangerous under IMDG regulations.

IATA: This material is not classified as dangerous under IATA regulations.

TRANSPORT CANADA: This material is not classified as dangerous under Transport Canada regulations.

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard:
The classification of this material is based on OSHA HCS 2012 criteria.

United States inventory (TSCA):	All components are listed or exempted.
Canada inventory:	All components are listed or exempted.
Europe inventory:	All components are listed or exempted.
Japan inventory (ENCS):	All components are listed or exempted.
Australia inventory (AICS):	All components are listed or exempted.
Korea inventory (KECI):	All components are listed or exempted.
China inventory (IECSC):	All components are listed or exempted.
Philippines inventory (PICCS):	All components are listed or exempted.

16. OTHER INFORMATION

REASON FOR ISSUE ...:	Revised
APPROVAL DATE .....:	May 21, 2014
REVISED DATE ....:	August 1, 2022
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