

MPO 190

Material Safety Data Sheet

Revision Date December 2008

1. Substance/Company Identification

PRODUCT NAME: MPO 190
CHEMICAL NAME: Petroleum Lubricating Oil
CHEMICAL FAMILY: Petroleum Hydrocarbon
COMPANY: Inland Vacuum Industries
35 Howard Ave
Churchville NY 14428
(585) 293-3330

For Chemical Emergency Call Chemtrec 800-424-9300

2. Composition/ Ingredients

CAS NUMBER: 64742-65-0
PRODUCT COMPONENTS: Severely Hydro treated Paraffinic Hydrocarbons

3. Hazards Identification

EMERGENCY OVERVIEW: Oil mist, if generated. US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.

Potential Health Effects:

Inhalation: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. Inhalation of oil mist or vapors at elevated temperature may cause respiratory irritation.

Eye Contact: Expected to be minor eye irritant

Skin Contact: Repeated or prolonged skin contact may cause dermatitis and defatting.

Ingestion: Not expected to be acutely toxic.

Chronic: None known.

HMIS Hazard Ratings:

HEALTH : 1

FLAMMABILITY: 1

REACTIVITY : 0

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|---|
| Key: 4-Severe 3-Serious 2-Moderate 1-Slight 0-Minimal |
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4. First Aid Measures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

EYE CONTACT: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT: Flush with large amounts of water. Use soap if possible. Remove severely contaminated clothing and wash before reuse. If irritation persists seek medical attention.

INGESTION: If swallowed, DO NOT induce vomiting.

5. Fire Fighting Measures

FLASH POINT: >213 C

METHOD USED: Cleveland Open Cup

Flammable Limits: not established Autoignition Temp: No data available

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide (CO₂), foam

FIRE FIGHTING INSTRUCTIONS: Avoid breathing smoke and vapor

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.

6. Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN EVENT OF RELEASE: Remove sources of ignition. Contain any spills with dikes or absorbents to prevent

migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

7. Handling and Storage

GENERAL: Keep container closed. Store in a cool, well ventilated place. Keep away from heat, sparks and flame. Empty containers may contain residues.

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

8. Exposure Controls/Personal Protection

EXPOSURE LIMITS: Oil mist if generated: TLV (ACGIH) 5mg/m³-8hr TWA, STEL (ACGIH) 10mg/m³, PEL (OSHA) 5 mg/m³-8hr TWA

VENTILATION: Good ventilation at source of vapor

PERSONAL PROTECTION: For open systems where contact is likely, wear safety glasses with side shields, long sleeves and chemical resistant gloves.

9. Physical & Chemical Properties

PHYSICAL STATE: Liquid

VAPOR PRESSURE: < .0001 Torr @ 25C

BOILING POINT: 112 C

EVAPORATION RATE (n-Bu Acetate = 1): Nil

VAPOR DENSITY: approximately 14

VOC: NA

SPECIFIC GRAVITY: 0.87

VISCOSITY: 55 cst @ 40 C

SOLUBILITY IN WATER: Nil

APPEARANCE: Pale yellow viscous liquid with a faint petroleum odor.

10. Stability & Reactivity

STABILITY: Stable under normal temperatures and pressures

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION: None

11. Toxicological Information

Oral Toxicity (rats): Practically non-toxic (LD50: greater than 2000 mg/kg)

Dermal Toxicity (rabbits): Practically non-toxic (LD50: greater than 2000 mg/kg)

Inhalation Toxicity (rats): Practically non-toxic (LC50: greater than 5 mg/l)

Eye Irritation (rabbits): Practically non-irritating. (Draize score: greater than 6 but 15 or less)

Skin Irritation (rabbits): Practically non-irritating. (Primary Irritation Index: > than 0.5 but less than 3)

Chronic Toxicology: Product not classified as a carcinogen. It contains less than .3% w/w DMSO extract as measured by IP-346.

Ecotoxicity: No data available

Environmental Fate: This material is not expected to present any environmental problems other than those associated with oil spills.

12. Ecological Information

This product is not regulated by CERCLA/RCRA as a hazardous waste or material. Therefore, it may be disposed of as an industrial waste in a manner acceptable to good waste management practice and in compliance with applicable local, state and federal regulations.

13. Disposal Considerations

Product and packaging must be disposed of in accordance with Federal, State and local regulations.

14. Transport Classification

DOT:

Description Proper Shipping Name: Not regulated

Hazard class: Not regulated

ID Number: Not Regulated

Packing Group: Not regulated
 Special Information: Not Applicable.
IMO:
 Proper Shipping Name: Not regulated
 Hazard Class: Not regulated
 Packing Group: Not Applicable
 Special Information: Not applicable
 IMO Label: Not applicable
 Shipping Containers: Not applicable

15. Regulatory Information

TSCA: This material is in compliance with the TOXIC SUBSTANCE CONTROL ACT (15 USC 2601-2629) and is listed in the TSCA Inventory.

HAZARD CATEGORIES FOR SARA 311/312 REPORTING

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|----------|----------------------------|----|
| HEALTH | Immediate (Acute) | No |
| HEALTH | Delayed (Chronic) | No |
| PHYSICAL | Fire | No |
| PHYSICAL | Sudden release of pressure | No |
| PHYSICAL | Reactive | No |
| PHYSICAL | Nuisance Mist/ Dust Only | No |

| | | |
|------------------------|-------------------------|----------------------|
| 01=SARA 313 | 11=NJRTK | 21=TSCA Sect 5(a)(2) |
| 02=MASS RTK | 12=CERCLA 302.4 | 22=TSCA Sect 6 |
| 03=NTP Carcinogen | 13=MN RTK | 23=TSCA Sect 12(b) |
| 04=CA Prop 65-Carcin | 14=ACGIM TWA | 24=TSCA Sect 8(a) |
| 05=CA Prop 65-ReproTox | 15=ACGIH STEL | 25=TSCA Sect 8(d) |
| 06=IARC Group 1 | 16=ACGIH Calc TLV | 26=TSCA Sect 4(a) |
| 07=IARC Group 2A | 17=OSHA PEL | 27=Canadian WHMIS |
| 08=IARC Group 2B | 18=DOT Marine Pollutant | 28=OSHA CEILING |
| 09=SARA 302/304 | 20=EPA Carcinogen | |
| 10=PA RTK | | |

The following components of this material are found on the regulatory lists indicated.

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC
 Is found on lists: 14,15,17

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et.seq., the product is to be identified as follows:
 PETROLEUM OIL

16. Other Information

The information on this form is furnished solely for the purpose of compliance with the OSHA Act, and shall not be used for any other purpose. The information herein is given in good faith and is based on data considered accurate. However, no warranty, expressed or implied, is made regarding the accuracy of these data or the results to be obtained from the use thereof.

