

Section 1: Product And Company Identification

COMPANY: J/B INDUSTRIES INC.
 LOCATION: 601 N. Farnsworth Ave.
 Aurora, IL 60507
 Emergency Telephone Number:
 630/851-9444

PRODUCT NAME:
 Vacuum Pump Oil

PRODUCT GRADES:

PRODUCT CODE:

DATE ISSUED:
 December 28, 1992

DATE REVISED:
 March 1, 2001

Section 2: Composition/ Information On Ingredients

CAS NAME:
 Petroleum Lubricating Oil

CAS NUMBER:
 64741-88-4; 64742-65-0

Section 3: Hazard Identification

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

| HEALTH | FLAMMABILITY | REACTIVITY |
|--------|--------------|------------|
| 1 | 2 | 0 |

PERMISSIBLE CONCENTRATIONS (AIR):
 If Used In Applications Where A Mist May Be Generated, Observe A TWA/PEL Of 5mg/m³ For Mineral Oil Mist (OSHA And ACGIH).

CHRONIC EFFECTS OF OVEREXPOSURE:
 Prolonged Or Repeated Skin Contact May Cause Dermatitis (Skin Irritation) See Section 16. Comments.

CARCINOGENICITY PROPERTIES:
 NPT? NO IARC? NO OSHA? NO

VARIABILITY AMONG INDIVIDUALS:
 Health Studies Have Shown That Many Petroleum Hydrocarbons And Synthetic Lubricants Pose Potential Human Health Risks Which May Vary From Person To Person. As A Precaution, Exposure To Liquids, Vapors, Mists Or Fumes Should Be Minimized.

Section 4: First Aid Measures

EYE CONTACT:
 Immediately Flush With Large Quantities Of Water For At Least 15 Minutes And Call A Physician.

SKIN CONTACT:
 Remove Excess With Cloth Or Paper. Wash Thoroughly With Soap And Water

INHALATION:
 Remove Victim To Fresh Air And Call A Physician.

INGESTION:
 Call A Physician Immediately. Do Not Induce Vomiting. (Vomiting May Cause Aspiration Into Lungs Resulting In Chemical Pneumonia.)

Section 5. Fire-Fighting Measures

SPECIAL FIRE FIGHTING PROCEDURES:
 Do Not Use Water Except As Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None

FLASH POINT:
 (Method Used) Cleveland Open Cup
 >177°C (350 F)

FLAMMABLE LIMIT%:
 N/A

EXTINGUISHING AGENTS:
 Drychemical Or Water Fog Or Carbon Dioxide, Or Foam.

NATIONAL FIRE PROTECTION ASSOCIATION (NSPA) - HAZARD IDENTIFICATION:

| HEALTH | FLAMMABILITY | REACTIVITY |
|--------|--------------|------------|
| 1 | 1 | 0 |

Section 6. Accidental Release Measures

CLEAN WATER ACT / OIL POLLUTION ACT:
 This Product May Be Classified As An Oil Under Section 311 Of The Clean Water Act, And Under The Oil Pollution Act. Discharges Or Spills Into Or Leading To Surface Waters That Cause A Sheen Must Be Reported To National Response Center (1-800-424-8802).

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Recover Free Product. Add Sand, Earth Or Other Suitable Absorbent To Spill Area. Minimize Skin Contact. Keep Product Out Of Sewers And Watercourses By Diking Or Impounding. Advise Authorities If Product Has Entered Or May Enter Sewers, Watercourses, Or Extensive Land Areas. Assure Conformity With Applicable Governmental Regulations.

Section 7. Storage And Handling

HANDLING PRECAUTIONS:
 Use Product With Caution Around Heat, Sparks, Pilot Lights, Static Electricity And Open Flame.

PROCEDURES FOR CLEAN-UP:
 Transfer Bulk Of Mixture Into Another Container. Absorb Residue With An Inert Material Such As Earth, Sand, Or Vermiculite. Sweep Up And Dispose As Solid Waste In Accordance With Local, State And Federal Regulations.

"EMPTY" CONTAINER WARNING:
 "Empty" Containers Retain Residue (Liquid And/Or Vapor) And Can Be Dangerous. 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. Do Not Attempt To Refill Or Clean Containers Since Residue Is Difficult To Remove. "Empty" Drums Should Be Completely Drained, Properly Bugged And Promptly Returned To A Drum Reconditioner.

WASTE DISPOSAL
 Dispose Of In Accordance With All Applicable Federal, State And Local Regulations.

Section 8. Exposure Control/ Personal Protection

EXPOSURE LIMIT FOR TOTAL PRODUCT:
 5 mg/m³ For Oil Mist (Aerosol) For An 8-Hour Workday.

BASIS:
 OSHA Regulation CFR 1910.1000 And Recommended By The American Hygienists (ACGIH). ACGIH States That The Air Is To Be Sampled By A Method That Does Not Collect Vapor, In Addition, It Lists A 10mg/m³ STEL.

VENTILATION:
 Use Local Exhaust To Capture Vapor, Mists Or Fumes, If Necessary. Provide Ventilation Sufficient To Exceeding Recommended Exposure Limit Or Buildup Of Explosive Concentrations Of Vapor In Air. No Smoking, Or Use Of Flame Or Other Ignition Sources.

RESPIRATORY PROTECTION:
 Use Supplied-Air Respiratory Protection In Confined Or Enclosed Spaces, If Needed.

PROTECTIVE GLOVES:
 Use Chemical-Resistant Gloves, If Needed, To Avoid Prolonged Or Repeated Skin Contact.

EYE PROTECTION:
 Use Splash Goggles Or Face Shield When Eye Contact May Occur.

OTHER PROTECTIVE EQUIPMENT:
 Use Chemical-Resistant Apron Or Other Impervious Clothing, If Needed, To Avoid Contaminating Regular Clothing, Which Could Result In Prolonged Or Repeated Skin Contact.

PERSONAL HYGIENE:
 Minimize Breathing Vapors, Mist Or Fumes. Avoid Prolonged Or Repeated

Contact With Skin. Remove Contaminated Clothing; Launder Or Dry-Clean Before Re-Use. Remove Contaminated Shoes And Thoroughly Clean Before Re-Use; Discard If Oil Soaked. Cleanse Skin Thoroughly After Contact, Before Breaks And Meals, And At End Of Work Period. Product Is Readily Removed From Skin By Waterless Hand Cleaners Followed By Washing Thoroughly With Soap And Water.

Section 9: Physical And Chemical Properties

FORM:

Liquid

ODOR:

Mild Petroleum Odor

APPEARANCE:

Viscous Liquid

COLOR:

Light Amber

SPECIFIC GRAVITY (water=1):

0.86-0.91

BOILING POINT:

> 260 C (500 F)

MELTING POINT

<-10 C (20 F)

SOLUBILITY IN WATER:

Not Soluble

VOLATILE:

0

EVAPORATION RATE:

0

VAPOR PRESSURE:

0

VAPOR DENSITY:

N/A

PH:

N/A

STABILITY:

Stable Under Normal Conditions

VISCOSITY SUS AT 100 F:

150

Section 10. Stability And Reactivity

This Product Stable And Will Not React Violently With Water. Hazardous Polymerization Will Not Occur. Avoid Contact With Strong Oxidants Such as Liquid Chlorine, Concentrated Oxygen, Sodium Hypochlorite, Calcium Hypochlorite, Etc., As This Presents A Serious Explosion Hazard.

Section 11. Toxicological Information

NATURE OF HAZARD AND TOXICITY INFORMATION:

Repeated And Prolonged Overexposure To Oil Mists May Result In Droplet

Deposition, Oil Granuloma Formation, Inflammation And increased Incidence Of Infection.

TOXIC AND HAZARDOUS INGREDIENTS:

None

Section 12. Ecological Information:

Ecological Effect Testing Has Not Been Conducted On This Product. Do Not Discharge This Product Into Public Water Or Waterways Unless Authorized By A National Pollution Discharge Elimination System (NODES) Permit Issued By The Environmental Protection Agency (EPA).

An Environmental Fate Analysis Has Not Been Conducted On This Specific Product. However, Plants And Animals May Experience Harmful Or Fatal Effects When Coated With Petroleum-Based Products. Petroleum-Based (Mineral) Lube Oils Will Normally Float On Water. In Stagnant Or Slow-Flowing Waterways, An Oil Layer Can Cover A Large Surface Area. As A Result, This Oil Layer Might Limit Or Eliminate Natural Atmospheric Oxygen Transport Into The Water. With Time, If Not Removed, Oxygen Depletion In The Water Way Might Be Enough To Cause A Fish Kill Or Create An Anaerobic Environment.

Section 13. Disposal Consideration

Options For Disposal Of This Product May Depend On The Conditions Under Which It Was Used. To Determine The Proper Method Of Disposal, Refer To RCRA (40 CFR 261), As Well As Federal EPA And State And Local Regulations. Please Refer To Section 5, 6 And 15 For Additional Information.

Section 14. Transportation Information

TRANSPORTATION INCIDENT INFORMATION

For Further Information Relative To Spills Resulting From Transportation Incidents, Refer To Latest Department Of Transportation Emergency Response Guidebook For Hazardous Materials Incidents.

D.O.T.:

Not Regulated

REPORTABLE QUANTITY:

N/A

FREIGHT CLASSIFICATION:

Petroleum Lubricating Oil

SPECIAL TRANSPORTATION NOTES:

None

Section 15. Regulatory Information

U. S. FEDERAL REGULATIONS:

The Following Information May Result In Complying With Various State And Federal Laws And Regulations Under Various Environmental Statutes.

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-304) No TPQ For Product Or Any Constituent Greater Than 1% Or 0.1% (Carcinogen). Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372 (SARA Section 313) No Toxic Chemical Is Present Greater Than 1% Or 0.1% (Carcinogen). Hazardous Chemical Reporting, EPS Regulation 40 CFR 370 (SARA Section 311-312)

EPA HAZARD CLASSIFICATION CODE:

Not Applicable

TOXIC SUBSTANCE CONTROL ACT (TSCA)

This Product Does Not Contain Polychlorinated Biphenyls (PCB's). All Components Of This Product Are Listed On The U.S. TSCA Inventory. This Product Does Not Contain Detectable Amount Of Any Material Listed By The State Of California As Known To Cause Reproductive Toxicity.

WHMIS

Not A Controlled Product.

CEPA (CANADIAN ENVIRONMENTAL PROTECTION ACT)

All Components Of This Product Are On The Domestic Substances List (DSL) Or Are Exempt.

Section 16. Other Information

The Health And Safety Information Presented Herein Must Be Used In Conjunction With The Pertinent Standards For Training, Work Practices And Facilities Design Established By OSHA, NFPA, API, NEC, Underwriters, Bureau Of Mines And Similar Organization.

The Information And Recommendations Contained Herein, To The Best Of J/B Industries' Knowledge And Belief, Accurate And Reliable As Of The Date Issued. J/B Industries Does Not Warrant Or Guarantee Their Accuracy Or Reliability, And J/B Industries Inc. Shall Not Be Liable For Any Loss Or Damage Arising Out Of The Use Thereof.

The Information And Recommendations Are Offered For The user's Consideration And Examination, And It Is The User's Responsibility To Satisfy Itself That Are Suitable And Complete For Its Particular Use.