1. **Identification**

   **Trade Name:** 19 Grade Vacuum Pump Oil  
   **Recommended Use:** Vacuum Pumps  
   **Recommended Restrictions:** None known  
   **Distributor:** FluidX Equipment  
   **Address:** 139 West 2260 South  
   **Salt Lake City, UT 84115**  
   **Telephone:** 1-801-486-1015  
   **E-mail:** info@fluidxinc.com  
   **Emergency Contact:** FluidX/Utah 1-801-486-1015

2. **Hazard Identification**

   **OSHA Hazards:** No OSHA Hazards  
   **GHS Classification:** Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).  
   **GHS-Labeling:** Not a dangerous substance according to Globally Harmonized System of Classification and Labeling of Chemicals (GHS).  
   **IARC:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
   **NTP:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
   **ACGIH:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

3. **Composition/Information on Ingredients**

   **Chemical Name:** Severe Hydrotreated Paraffinic  
   **CAS Number:** 64742-65-0  
   **%:** 100  
   **Exposure Limit:** 5mg/m3 oil mist  
   **Contains No Hazardous Ingredients According to GHS.**

4. **First Aid Measures**

   **Inhalation:** Move to fresh air. Oxygen or artificial respiration if needed. If exposed or concerned: get medical advice/attention.  
   **Skin Contact:** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical help.  
   **Eye Contact:** Flush thoroughly with water. If irritation occurs, get medical attention.  
   **Ingestion:** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

5. **Fire-Fighting Measures**

   **Suitable Extinguishing Media:** Halon, dry chemicals. Foam. Carbon dioxide (CO2). Water spray or fog. Do not use water jet or solid water stream as extinguisher as this may scatter or spread fire.  
   **Special Protective Equipment:** Wear special contained breathing apparatus for fire fighting if necessary.  
   **Specific Hazards Arising From the Chemical:** None  
   **General Fire Hazards:** No unusual fire or explosion hazards noted.

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The information herein is given in good faith, but no warranty, expressed or implied, is made.

**www.vacoil.com**  
139 West 2260 South Salt Lake City, UT 84115 | Phone: 801.486.1015 Fax: 801.486.1032
6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP:
WIPE UP WITH ABSORBANT MATERIAL (e.g. CLOTH, FLEECE). CLEAN SURFACE
THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

7. HANDLING AND STORAGE

HANDLING:
FOR PERSONAL PROTECTION SEE SECTION 8. SMOKING, DRINKING AND
EATING SHOULD BE PROHIBITED IN THE APPLICATION AREA.

STORAGE:
ELECTRICAL INSTALLATIONS/WORKING MATERIALS MUST COMPLY WITH THE
TECHNOLOGY SAFETY STANDARDS.

CONDITIONS:
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE IN A WELL-
VENTILATED DRY PLACE.

8. EXPOSURE CONTROLS/PERSONAL
    PROTECTION

BIOLOGICAL LIMIT VALUES:
NO BIOLOGICAL LIMITS NOTED FOR THE INGREDIENT(S).

APPROPRIATE ENGINEERING CONTROLS:
PROVIDE ADEQUATE VENTILATION, INCLUDING APPROPRIATE LOCAL
EXTRACTION, TO ENSURE THAT THE DEFINED OCCUPATIONAL EXPOSURE
LIMIT IS NOT EXCEEDED.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION:
UNDER NORMAL CONDITIONS, RESPIRATOR IS NOT NORMALLY REQUIRED.
WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE
LIMIT THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS.

HAND PROTECTION:
CHEMICAL RESISTANT GLOVES ARE RECOMMENDED. IF CONTACT WITH
FOREARMS IS LIKELY WEAR GAUNTLET STYLE GLOVES.

EYE/FACE PROTECTION:
GOOGLES/FACE SHIELD ARE RECOMMENDED.

GENERAL HYGIENE:
ALWAYS WASH HANDS AFTER HANDLING THE MATERIAL BEFORE EATING,
DRINKING, AND OR SMOKING.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID
ODOR: SLIGHT ODOR
ODOR THRESHOLD: NOT AVAILABLE
COLOR: LIGHT YELLOW
PH: NOT AVAILABLE
MELTING POINT: N/A
SPECIFIC GRAVITY: .86
MOLECULAR WEIGHT: 511
AUTO-IGNITION TEMPERATURE: NOT AVAILABLE
BOILING POINT/BOILING POINT RANGE: NOT AVAILABLE
FLASH POINT: 455 F. (235) C.
EVAPORATION RATE: NOT AVAILABLE
VAPOR PRESSURE @ 25 (C): 1X10-5 TORR
VISCOSITY, KINEMATIC @ 40 (C): 59 cst. ASTM D445
UPPER/LOWER FLAMMABILITY LIMITS:
SOLUBILITY IN WATER: NOT AVAILABLE
OCTANOL/H20 COEFF: NOT AVAILABLE

10. STABILITY AND REACTIVITY

REACTIVITY:
THE MATERIAL IS STABLE AND NON-REACTIVE UNDER NORMAL CONDITIONS
OF USE, STORAGE AND TRANSPORTATION.

CHEMICAL STABILITY: STABLE
INCOMPATIBLE MATERIALS: STRONG OXIDIZING AGENTS
POSSIBILITY OF HAZARDOUS REACTIONS:
HAZARDOUS POLYMERIZATION DOES NOT OCCUR.

CONDITIONS TO AVOID:
HEAT, FLAMES AND SPARKS. AVOID TEMPERATURES EXCEEDING THE FLASH
POINT.

HAZARDOUS DECOMPOSITION PRODUCTS:
UPON DECOMPOSITION, THIS MATERIAL EMITS CARBON MONOXIDE,
CARBON DIOXIDE AND/OR LOW MOLECULAR WEIGHT HYDROCARBONS.

11. TOXICOLOGY INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

INGESTION:
MAY CAUSE GASTROINTESTINAL DISCOMFORT IF SWALLOWED. DO NOT
INDUCE VOMITING. VOMITING MAY INCREASE RISK OF MATERIAL
ASPIRATION.
INHALATION:
MAY BE HARMFUL IF INHALED. HOWEVER, THIS MATERIAL DOES NOT CURRENTLY MEET THE CRITERIA FOR CLASSIFICATION.

SKIN CONTACT:
FREQUENT OR PROLONGED CONTACT MAY DEFAT AND DRY THE SKIN, LEADING TO DISCOMFORT AND DERMATITAS.

EYE CONTACT:
MAY BE IRRITATING TO EYES.

GERM CELL MUTAGENICITY:
NON-MUTAGENIC BASED ON MODIFIED AMES ASSAY.

CARCINOGENICITY:
THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN BY IARC, ACGIH, NTP, OR OSHA. MEETS EU REQUIREMENT OF LESS THAN 3% (w/w) DMSO EXTRACT FOR TOTAL POLYCYCLIC AROMATIC COMPOUND (PAC) USING IP 346.

US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29CFR1910.1001-1050)

REPRODUCTIVE TOXICITY:
CONTAINS NO INGREDIENT LISTED AS TOXIC TO REPRODUCTION.

SPECIFIC TARGET ORGAN TOXICITY:
(SINGLE EXPOSURE) NOT CLASSIFIED
(REPEATED EXPOSURE) NOT CLASSIFIED

ASPIRATION HAZARD:
NOT CLASSIFIED

CHRONIC EFFECTS:
PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING, CRACKING, OR IRRITATION OF THE SKIN.

12. ECological INFORMATION

ECOTOXICITY:
NOT EXPECTED TO BE HARMFUL TO AQUATIC ORGANISMS.

PERSISTENCE AND DEGRADABILITY:
NOT INHERITANTLY BIODEGRADABLE

BIOACCUMULATIVE POTENTIAL:
BIOACCUMULATION IS UNLIKELY TO BE SIGNIFICANT BECAUSE OF THE LOW WATER SOLUBILITY OF THIS MATERIAL.

MOBILITY IN SOIL:
NOT AVAILABLE

OTHER ADVERSE EFFECTS:
NO OTHER ADVERSE ENVIROMENTAL EFFECTS (E.G. OZONE DEPLETION, PHOTOCHEMICAL OZONE CREATION POTENTIAL, ENDOCRINE DISRUPTION, GLOBAL WARMING POTENTIAL) ARE EXPECTED FROM THIS MATERIAL.

13. DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS:
WHEN THIS MATERIAL AS SUPPLIED IS TO BE DISCARDED AS WASTE, IT DOES NOT MEET THE DEFINITION OF A RCRA WASTE UNDER 40 CFR 261. DISPOSAL RECOMMENDATIONS ARE BASED ON MATERIAL AS SUPPLIED. DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS, AND MATERIAL CHARACTERISTICS AT THE TIME OF DISPOSAL.

HAZARDOUS WASTE CODE:
NOT APPLICABLE

WASTE FROM RESIDUES/UNUSED PRODUCT:
DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS. AVOID DISCHARGE INTO WATER COURSES OR ONTO THE GROUND.

CONTAMINATED PACKAGING:
EMPTY CONTAINERS SHOULD BE TAKEN TO AN APPROVED WASTE HANDLING SITE FOR RECYCLING OR DISPOSAL. SINCE EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. OFFER RINSED PACKAGING MATERIAL TO LOCAL RECYCLING FACILITIES.

14. TRANSPORTATION INFORMATION

DOT:
NOT REGULATED AS DANGEROUS GOODS

IATA:
NOT REGULATED AS DANGEROUS GOODS

IMDG:
NOT REGULATED AS DANGEROUS GOODS

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS:
THIS PRODUCT IS NOT KNOWN TO BE A “HAZARDOUS CHEMICAL” AS DEFINED BY THE OSHA HAZARDOUS COMMUNICATIONS STANDARD, 29 CFR 1910.1200. ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST.

CERCLA/SARA HAZARDOUS SUBSTANCES:
NOT APPLICABLE

TSCA SECTION 12 (b) EXPORT NOTIFICATION (40 CFR 707, SUBPT. D):
NOT REGULATED

CERCLA HAZARDOUS SUBSTANCES LIST (40 CFR 302.4):
NOT LISTED

NOT LISTED

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES:
- IMMEDIATE HAZARD – NO
- DELAYED HAZARD – NO
- FIRE HAZARD – NO
- PRESSURE HAZARD – NO
- REACTIVITY HAZARD – NO

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: NOT LISTED
SARA 311/312 HAZARDOUS CHEMICAL: NO
SARA 313 (TRI REPORTING): NOT REGULATED

OTHER FEDERAL REGULATIONS
- CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS POLLUTANTS LIST: NO
- CLEAN AIR ACT (CAA) SECTION 112 ACCIDENTAL RELEASE PREVENTION (40 CFR 68.130): NOT REGULATED
- SAFE DRINKING WATER ACT (SDWA): NOT REGULATED

US STATE REGULATIONS:
- THIS MATERIAL DOES NOT CONTAIN A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65): THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CHEMICALS CURRENTLY LISTED AS CARCINOGENS OR REPRODUCTIVE TOXINS.
- US. MASSACHUSETTS RTK – SUBSTANCE LIST: NOT REGULATED
- US. NEW JERSEY WORKER & COMMUNITY RIGHT-TO-KNOW ACT: NOT REGULATED
- US. PENNSYLVANIA RTK – SUBSTANCE LIST: NOT REGULATED
- US. RHODE ISLAND RTK: NOT REGULATED
- US. CALIFORNIA PROPOSITION 65: NOT LISTED

INTERNATIONAL INVENTORIES

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- A “YES” INDICATES THAT ALL COMPONENTS OF THIS PRODUCT COMPLY WITH THE INVENTORY REQUIREMENTS ADMINISTERED BY THE GOVERNING COUNTRY(S).
- A “NO” INDICATES THAT ONE OR MORE OF THE COMPONENTS OF THE PRODUCT ARE NOT LISTED OR EXEMPT FROM THE LISTING ON THE INVENTORY ADMINISTERED BY THE GOVERNING COUNTRY(S).

16. OTHER INFORMATION

NFPA CLASSIFICATION:
- HEALTH HAZARD: 0
- FIRE HAZARD: 1
- REACTIVITY HAZARD: 0

HMIS CLASSIFICATION:
- HEALTH HAZARD: 1
- FIRE HAZARD: 1
- PHYSICAL HAZARD: 0
- PERSONAL PROTECTION: B

MANUFACTURER DISCLAIMER: THE DATA HEREIN IS BASED UPON TESTS AND INFORMATION, WHICH WE BELIEVE TO BE RELIABLE. HOWEVER, USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR USE.

SDS Date of Preparation/Revision: September 30, 2015