1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT INFORMATION

Product Name: UNIVIS HVI 26
Recommended Use:
Hydraulic fluid.

External Keys:
89022748 SPO Catalog Discontinued
ACDelco Primary Tradename - Distributable Material
Hydraulic Pump Oil
88865214 Distributable Material (Part #)
10-5056 Distributable Material (Part #)

MANUFACTURER INFORMATION

Manufacturer: ExxonMobil Oil Corporation
Address:
3225 Gallows Rd. USA Virginia 22037 Fairfax Mailing
13501 Katy Freeway USA Texas 77079 Houston Synthetics Business Unit

Communication Lines:
Phone 609-737-4411 24HOUR HEALTH EMERGENCY
Phone 800-424-9300 TRANSPORTATION EMERGENCY PHONE
Phone 281-834-3296 EXXONMOBIL TRANSPORATION NO.
Phone 800-662-4525, 800-947-9147 PRODUCT TECHNICAL INFORMATION.
Phone 732-321-6048 Technical Information
Phone 609-737-4411 Health Emergency
Phone 800-424-9300 Transportation Emergency (CHEMTREC)
Phone 202-483-7616 Transportation Emergency

2 INGREDIENT INFORMATION

Synonyms:
Product Code: 201060107520, 431015-00, 97Q704.

FORMULATION

Ingredients:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Prefix</th>
<th>Value</th>
<th>Unit</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTILLATES (PETROLEUM), HYDROTREATED LIGHT</td>
<td>64742-47-8</td>
<td>Range</td>
<td>10-20</td>
<td>%Wt</td>
<td>Yes</td>
</tr>
<tr>
<td>POLYALKYL METHACRYLATE</td>
<td>989921-73-5</td>
<td>Range</td>
<td>10-20</td>
<td>%Wt</td>
<td>No</td>
</tr>
</tbody>
</table>

Comment:
All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

3 HAZARDS IDENTIFICATION

Hazards Overview:
POTENTIAL HEALTH EFFECTS: Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation. High-pressure injection under skin may cause serious damage.

Medical Conditions Aggravated By Exposure:
Not provided

Additional Health Hazard Data:
Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals.

4 FIRST AID MEASURES

First Aid By:
4  FIRST AID MEASURES

First Aid By:
Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Skin Contact: Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Eye Contact: Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion: First aid is normally not required. Seek medical attention if discomfort occurs.

5  FIRE FIGHTING MEASURES

Flash Point:
= 108 °C ASTM D-92

Explosive Limits:
Lower Explosive Limit (LEL) = 0.9 '%
Upper Explosive Limit (UEL) = 7.0 '%

Autoignition Temperature:
Not Determined

Extinguishing Media:
Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Non Suitable Extinguishing Media:
Straight Streams of Water.

Fire and Explosion Hazards:
Pressurized mists may form a flammable mixture.

Special Fire Fighting Procedures:
Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Comment:

6  ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IN CASE OF ACCIDENTAL RELEASE

Environmental Precautions:
Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

SPILL OR LEAK PROCEDURES

Recovery:
Land Spill: Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.
Water Spill: Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to
6 ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

Recovery:

be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

Comment:

NOTIFICATION PROCEDURES: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802.

7 HANDLING AND STORAGE

HANDLING

Safe Handling Procedures:

Prevent small spills and leakage to avoid slip hazard.

Static Accumulator: This material is a static accumulator.

STORAGE

Storage Conditions:

Do not store in open or unlabelled containers.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: No special requirements under ordinary conditions of use and with adequate ventilation.

EXPOSURE LIMITS

Limit Values:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Type</th>
<th>Value</th>
<th>Specification</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTILLATES (PETROLEUM), HYDROTREATED LIGHT</td>
<td>64742-47-8</td>
<td>PEL-TWA</td>
<td>2000mg/m³</td>
<td>-</td>
<td>OSHA - Permissible Exposure Limits (PELs)</td>
</tr>
<tr>
<td>DISTILLATES (PETROLEUM), HYDROTREATED LIGHT</td>
<td>64742-47-8</td>
<td>PEL-TWA</td>
<td>500ppm</td>
<td>-</td>
<td>OSHA - Permissible Exposure Limits (PELs)</td>
</tr>
</tbody>
</table>

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin Protection: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: No special requirements under ordinary
8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

conditions of use and with adequate ventilation. For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Hand Protection

Contact local health and safety representative for appropriate glove type for your specific application(s).

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 and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Color: Pale Yellow.
Odor: Characteristic.
Comment:

Physical State: Liquid.

PHYSICAL PROPERTIES

pH Value:
N/A

Changes of State:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>&gt; 316 °C 600°F</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Pourpoint</td>
<td>= -54 °C -65°F</td>
</tr>
</tbody>
</table>

Vapor Pressure:

< 0.013 kPa (0.1 mm Hg) at 20 °C

Vapor Density:

> 2 at 101 kPa

Evaporation Rate:

Not Determined

Specific Gravity:

= 0.89

Solubility:

Water Negligible

Viscosity:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>26 cSt (26 mm2/sec) at 40 °C</td>
</tr>
<tr>
<td></td>
<td>9 cSt (9 mm2/sec) at 100°C</td>
</tr>
</tbody>
</table>

Additional Chemical and Physical Data:

Log Pow (n-Octanol/Water Partition Coefficient):

> 3.5

DMSO Extract (mineral oil only), IP-346:

< 3 % Wt
10  STABILITY AND REACTIVITY

STABILITY INFORMATION
Stability Under Normal Conditions: Stable
Conditions to Avoid:
Excessive heat. High energy sources of ignition.
Incompatible Materials:
Strong oxidizers
Hazardous Polymerization:
Will not occur.

HAZARDOUS DECOMPOSITION
Reactions:
Type of Reaction: Decomposition
Reaction Products: Material does not decompose at ambient temperatures.

11  TOXICOLOGICAL INFORMATION

OCCUPATIONAL EXPERIENCES
Additional Observations:

SCIENTIFIC OBSERVATIONS

LETHAL LIMIT VALUES
Additional Information:
Route of Exposure
Inhalation
Toxicity (Rat): LC50 > 5000 mg/m3
Minimally Toxic. Based on assessment of the components.
Irritation: No end point data.
Negligible hazard at ambient/normal handling temperatures. Based on assessment of the components.
Ingestion
Toxicity (Rat): LD50 > 2000 mg/kg
Minimally Toxic. Based on test data for structurally similar materials.
Skin
Toxicity (Rabbit): LD50 > 2000 mg/kg
Minimally Toxic. Based on test data for structurally similar materials.
11 TOXICOLOGICAL INFORMATION

SCIENTIFIC OBSERVATIONS

LETHAL LIMIT VALUES

Additional Information:

Irritation (Rabbit): Data available.
Negligible irritation to skin at ambient temperatures. Based on assessment of the components.
Eye
Irritation (Rabbit): Data available.
May cause mild, short-lasting discomfort to eyes. Based on assessment of the components.

Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals.

CLASSIFICATION OF INGREDIENTS

Carcinogenicity:
Base oil severely refined: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT

Comment:

MOBILITY: Base oil component - Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.
PERSISTENCE AND DEGRADABILITY: Biodegradation: Base oil component -- Expected to be inherently biodegradable.
BIOACCUMULATION POTENTIAL: Base oil component - Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

ECOTOXICITY

Comment:

Material - Not expected to be harmful to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Information:
Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Disposal Recommendations: Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

REGULATORY DISPOSAL INFORMATION

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

Empty Container Warning: Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. 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.

14 TRANSPORT INFORMATION

DOT Information:
LAND (DOT): Not Regulated for Land Transport.

Comment:
14 TRANSPORT INFORMATION
Comment:
AIR (IATA): Not Regulated for Air Transport.

15 REGULATORY INFORMATION

LABELLING
Hazard Codes:
- NFPA Flammability: 1
- NFPA Health: 0
- NFPA Reactivity: 0
- HMIS Health: 0
- HMIS Flammability: 1
- HMIS Reactivity: 0

NATIONAL REGULATIONS
SARA 311/312: No
SARA 313: No
Immediate Health: No
Delayed Health: Yes
Fire: No
Sudden Pressure Release: No
Reactive: No

Other Regulation:
OSHA HAZARD COMMUNICATION STANDARD:
When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

TSCA
SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.
SARA (313) TOXIC RELEASE INVENTORY:
This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.
TSCA 4/TSCA 12b: xylenes (1330-20-7)

STATE/LOCAL REGULATIONS
Comment:
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT BP 150-300 (64742-47-8): NJ, PA, RI.

16 OTHER INFORMATION

Additional Comments:
Additional Exposure Limits: GM Occupational Exposure Guidelines (OEG) and State-TWA's were provided by General Motors.