Part Numbers Covered:

016035  016110  016165  016272  016324  016336  016365
016036  016115  016170  016273  016325  016337  016366
016050  016120  016190  016276-W  016326-W  016338  016390
016055  016151  016205  016277  016327  016341  248674
016060  016153  016261  016279  016330  016343  403766
016070  016154  016264  016281  016331  016348  403774
016100  016155  016265  016320  016332  016350  Premier 461020
016101  016157  016266  016333  016351  Premier 461023
016102  016105  016267  016322  016334  016353  Premier 461024

1. Basic Information:

Manufacturer: William H. Harvey Company
Address: 4334 South 67th Street
City, ST Zip: Omaha, NE 68117-1019
Emergency Contact: CHEMTREC
Emergency Telephone Number: (800)424-9300
Information Telephone Number: (800)228-9681

Last Update: 02/06/2009
Expiration Date:

Chemical State: [x] Liquid  [ ] Gas  [ ] Solid
Chemical Type:  [ ] Pure  [x] Mixture

2. Ingredients:

Trade Secret

CAS No.  Chemical Name  % Range  EHS  IARC  SARA  OSHA  ACGIH  Other Limits
64742-65-0  Highly Refined Petroleum Oil  90 - 100  5 mg/m3  5 mg/m3  NI

3. Hazardous Identification:

Hazard Category:

[x] Acute  [ ] Chronic  [ ] Fire  [ ] Pressure  [ ] Reactive

Hazardous Identification Information:

Product has a low order of oral and dermal toxicity. Possible aspiration hazard. Induced vomiting may cause aspiration of product into lungs.

4. First Aid Measures:

Route(s) of Entry:

SKIN, EYES, INHALATION, INGESTION

Health Hazards (Acute and Chronic):

Acute: Ingestion may cause gastric disturbance. Chronic: Not known to have chronic toxic effects.

Signs and Symptoms:
**Product Name:** Thread Cutting Oil

**MSDS No.: 016035**

**EYE CONTACT:**
Lubricating oils are generally considered no more than minimally irritating to the eyes.

**SKIN CONTACT:**
Brief contact is not irritating. Lubricating oils are generally considered no more than mildly irritating to the skin. Because of its defatting properties, prolonged and repeated contact may aggravate an existing or result in various skin disorders (dermatitis, folliculitis, etc.).

**INHALATION:**
Inhalation of vapor or oil mist (generated at high temperatures) may result in mild irritation of the upper respiratory tract, including irritation of the nose and throat, headache, nausea and drowsiness.

**INGESTION:**
No adverse effects expected. If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhea may occur.

**Medical Conditions Generally Aggravated by Exposure:**
None known in normal usage concentrations.

**Emergency and First Aid Procedures:**

**EMERGENCY FIRST AID CALL:** 1-303-623-5716 COLLECT

**EYES:** Flush with water for 15 minutes. Get medical attention if effects persist.

**SKIN:** Wash thoroughly with soap and water. Get medical attention if irritation persists.

**INHALATION:** Move to fresh air and provide oxygen if difficulty in breathing. Get medical attention.

**INGESTION:** Do not induce vomiting. Get medical attention

**Other Health Warnings:**
Avoid breathing of oil mists.

**5. Fire Fighting Measures:**

<table>
<thead>
<tr>
<th>Flash Point</th>
<th>Lower Explosive Limit</th>
<th>Upper Explosive Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;370F</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

**F.P. Method:** COC

**Fire Extinguishing Media:** According to the NFPA guide, used water fog, foam, dry chemical or CO2. Do not use a direct stream of water. Product will float and can be reignited on the surface of water. Use water to cool containers.

**Special Fire Fighting Procedures:**
Material will not burn unless preheated. Do not enter confined fire-space without proper protective equipment including a positive-pressure, NIOSH approved self-contained breathing apparatus. Use water to keep fire exposed containers cool.

**Unusual Fire and Explosion:**
Exposing containers to high heat may cause container to rupture.

**6. Accidental Release Measures:**

**Steps to be Taken in Case Material is Released or Spilled:**

**LARGE SPILLS:** evacuate area and remove ignition sources. Dike and contain. Take up spills with sand, dirt, or other absorbent. Clean surfaces so they do not remain slippery. Treat as an oil spill. Pump excess to storage tanks. Use absorbent for remaining liquid and place in closed container for disposal according to local, state and federal regulations.

**SMALL SPILLS:** follow directions above but do not evacuate area unless the potential to slip and fall due to the spill is possible.
7. Handling and Storage:

Precautions to be Taken:

Store in a cool dry place. Store away from flames, heat, oxidizing agents, and strong alkalies. Keep containers tightly closed when not in use.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

Other Precautions:

Oily metal cuttings should be handled with the same precautions as for the cutting oil. Keep away from ignition sources.

Do not take internally. Avoid skin contact. Avoid eye contact. Avoid breathing vapors. Wash thoroughly after skin contact.

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use with adequate ventilation. Mechanical exaust is recocmended for areas of concentrated mists, fumes or vapors.

Personal Protective Equipment:

EYES: wear splash proof goggles

SKIN: wear oil resistant gloves. Wash hands and arms after use. Remove contaminated clothing promptly and wash before reuse. Treat contaminated clothing as a fire hazard.

INHALATION: (if no mechanical exaust is available or in small enclosed areas) wear mist and/or organic vapr respirator when mists or fumes are present. A well ventilated work area is the best engineering ppe.

INGESTION: avoid swallowing.

9. Physical and Chemical Properties:

Boiling Point: > 680º F
Evaporation Rate (Butyl Acetate = 1): < 1.0
Specific Gravity (H20 = 1): 0.9000
Solubility In Water: Negligible
Other Information: VOC Content: < 20 grams/L

Melting Point: NA
Vapor Pressure (mm Hg.): < .01
Vapor Density (AIR = 1): NDA
Appearance and Odor: Light amber to dark brown liquid / Sulfur

10. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

High heat, open flame, strong oxidizers.

Decomposition/By Products:

May form carbon monoxide and other unidentified organic compounds upon combustion.

Hazardous Polymerization:

Will not occur
MSDS - Material Safety Data Sheet

Product Name: Thread Cutting Oil

MSDS No.: 016035

11. Toxicological Information:

Median Lethal Dose (LD50 LC50) (Species)
- Oral: Believed to be >5 g/kg (rat); practically non-toxic
- Inhalation: Not Determined
- Dermal: Believed to be 5 g/kg (rabbit); no appreciable effect

Irritation Index, estimate of Irritation (Species)
- Skin: Believed to be <0.5 / 8.0 (rabbit); no appreciable effect
- Eyes: Believed to be <15 / 110 (rabbit); no appreciable effect
- Sensitization: Not Determined

Other:
- This product and its components are not classified as carcinogens by the IARC or OSHA. Used gasoline motor oils have been shown to cause skin cancer when repeatedly applied to mouse skin without any effort to remove the material between applications. There is no evidence of a causal relationship between skin cancer in humans and exposure to used motor oil.

12. Ecological Information:

No data available, but based on similar compounds, this product may have toxic effects to aquatic life.

13. Disposal Considerations:

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

Dispose in accordance with all local, state and federal regulations.

REMARKS: Recycle all used oils. Recycling used oils may provide exemptions related to hazardous waste regulations.

14. Transport Information:

- DOT PROPER SHIPPING NAME: NA
- DOT LABEL: NA
- DOT NUMBER: NA
- UN NUMBER: NA
- IMCO CLASS: NA
- DOT HAZARD CLASSIFICATION: NA

This product is considered an oil under 49 CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3,500 gallons or more, it is subject to the requirements of Part 130.

15. Regulatory Information:

NI

16. Other Information:
MSDS - Material Safety Data Sheet

Product Name: Thread Cutting Oil

MSDS No.: 016035

ABBREVIATIONS:

~ = Approximately
< = Less Than
> = Greater Than
ACGIH = American Conference of Governmental Industrial Hygienists
AIHA = American Industrial Hygiene Association
C = Degrees Celsius
Deg = Degrees
EPA = Environmental Protection Agency
F = Degrees Fahrenheit
HMIS = Hazardous Materials Information System
IARC = International Agency for Research on Cancer
NA = Not Applicable
NDA = No Data Available
NE = Not Established
NFPA = National Fire Protection Association
NI = Not Indicated
NIOSH = National Institute of Occupational Safety and Health
NTP = National Toxicology Program
OSHA = Occupational Safety and Health Administration

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided by the William H. Harvey Company without any warranty, expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. Users should make their own investigations to determine the suitability of the information or products for their particular purpose.

The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, the William H. Harvey company does not assume responsibility and expressly disclaims liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.