SAFETY DATA SHEET

1. Identification
Product identifier Harvey Thread Cutting Oil
Other means of identification
Product code 3335E
Synonyms Part Numbers –
016035 016110 016165 016272 016324 016336 016365 016036 016115 016170 016273 016325 016337 016366
016050 016120 016190 016276-W 016326-W 016338 016390
016055 016150 016205 016277 016327 016341 016391
016101 016155 016265 016320 016332 016350 Premier 461020
016102 016157 016266 016321 016333 016351 Premier 461020
016105 016160 016267 016322 016334 016353 Premier 461023
Premier 461024

Recommended use Lubricant for Cutting Threads
Recommended restrictions None Known
Manufacturer/Importer/Supplier/Distributor information
Company Name William H. Harvey Company
Address 4334 South 67th Street
Omaha, NE 68117
Telephone 402-331-1175
E-mail info@oatey.com
Transport Emergency Chemtrec 1-800-424-9300 (Outside the US 1-703-527-3887)
Emergency First Aid 1-877-740-5015
Contact person MSDS Coordinator

2. Hazard(s) identification
Physical hazards Not Classified.
Health hazards Acute Toxicity Oral Cat 4
Skin Corrosion/Irritation Cat 2B
Eye Damage/Irritation Cat 2B
OSHA defined hazards Not Classified.
Label elements
Hazard symbol

Signal word Warning
Hazard statement Harmful if swallowed. Causes mild skin irritation. Cause eye irritation. May cause respiratory irritation.
Precautionary statement
Prevention Keep container tightly closed. Wear protective cloves and eye protection. Wash thoroughly after handling. Avoid breathing fumes, or mist.
Response IF ON SKIN: Rinse skin with water. Wash contaminated clothing before reuse.
IF SWALLOWED: Call a poison center or doctor if you feel unwell. Rinse Mouth. Do not induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
Storage
Store in a well-ventilated space. Keep cool.

Disposal
Dispose of contents/container in accordance with local regulations.

Hazard(s) not otherwise classified (HNOC)
Used Oil may contain harmful impurities.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Hydrocarbon Mixture</td>
<td>64742-65-0</td>
<td>&gt;95</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Eye contact
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Ingestion
Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed
Ingestion may result in nausea, vomiting, and/or diarrhea.

Indication of immediate medical attention and special treatment needed.
Immediate medical attention is not required.

General information
Note to physician, treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media
Do not use water in a jet.

Specific hazards arising from the chemical
Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases, oxides of sulfur and phosphorous (smoke). Carbon monoxide.

Special protective equipment and precautions for firefighters
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire fighting equipment/instructions
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Specific methods
None

General fire hazards
None

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Methods and materials for containment and cleaning up
Large Spills: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

Small Spills: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.
Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

7. Handling and storage

Precautions for safe handling

Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials to prevent fires. Put on appropriate personal protective equipment (see section 8 of SDS). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil Mist, Mineral</td>
<td>TLV or PEL</td>
<td>5 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

US OSHA Permissible Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
</table>

Biological limit values

Data Not available.

Appropriate engineering controls

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

Hand

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Thermal hazards

None.

General hygiene considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

9. Physical and chemical properties

Appearance

Physical state | Liquid
Form | Liquid
Color | Clear, light amber
Odor | Slight hydrocarbon
Odor threshold | Not available.
pH
Melting point/freezing point
Initial boiling point and boiling range
Flash point
Upper/lower flammability or explosive limits
Flammability limit – lower (%)
Flammability limit – upper (%)
Explosive limit - lower (%)
Explosive limit - upper (%)
Vapor pressure
Vapor density
Relative density
Solubility(ies)
Solubility (water)
Partition coefficient
(n-octanol/water)
Auto-ignition temperature
Decomposition temperature
Viscosity, kinematic
Other information
VOC (Weight %)

10. Stability and reactivity
Reactivity
The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.
Chemical stability
The product is stable.
Possibility of hazardous reaction
Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid
Extreme temperature and direct sunlight.
Incompatible materials
Strong Oxidizing Agents.
Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information
Information on likely routes of exposure
Inhalation
Mist from processing.
Skin contact
Skin contact.
Eye contact
Eye contact.
Ingestion
No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics
No specific data.

<table>
<thead>
<tr>
<th>Information on likely routes of exposure</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause skin irritation after prolonged exposure. Prolonged exposure or repeated exposure without proper cleaning can clog pores of the skin.</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Expected to be slightly irritating.</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Inhalation of vapors or mists may cause irritation to the respiratory system.</td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>This product is not expected to cause skin irritation.</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not considered a mutagenic hazard</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No component of this product is identified as a probable, possible, or confirmed carcinogen by IARC, NTP, Monographs, or OSHA.</td>
<td></td>
</tr>
</tbody>
</table>
Reproductive toxicity

No known significant effects or critical hazards.

Specific target organ toxicity

Single exposure
Not expected to be a hazard.

Repeated exposure
Not expected to be a hazard.

Aspiration Hazard
Contains Distillates (petroleum), hydrotreated – Which is a category 1 Aspiration Hazard. The likely hood of aspirating the product in this form is very low due to the high viscosity.

Chronic effects
Not Classified.

Further information
Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and may present risks to health and the environment on disposal. Used oil should be handled with caution and skin contact should be avoided when possible.

12. Ecological information

Ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Results</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not Available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bio accumulative potential</td>
<td>Not Available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Liquid under most conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>No known significant effects of critical hazards.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

13. Disposal considerations

Disposal instructions
The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Local disposal regulations
Not Applicable

Hazardous waste code
Not Applicable

14. Transportation information

DOT
Not Regulated

UN number
UN Proper Shipping Name
Transportation Hazard classes
Packing group

IATA
Not Regulated

UN number
UN Proper Shipping Name
Transportation Hazard classes
Packing group

IMDG
Not Regulated

UN number
UN Proper Shipping Name
Transportation Hazard classes
Packing group
Environmental hazards
Marine pollutant
15. Regulatory information

**International Inventories**
All the substances contained in this product are listed or exempted from listing in the following inventories:
U.S.A. (TSCA)

**U.S. Federal Regulations**
**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
- Acute Health Hazard: no
- Chronic Health Hazard: no
- Fire Hazard: no
- Sudden Release of Pressure Hazard: no
- Reactive Hazard: no

**Clean Water Act**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**
**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

**Issue Date**
12-May-2015

**Revision Date**
-

**Version #**
01

**HMIS Rating**
- Health: 1
- Flammability: 1
- Physical Hazards: 0

**Disclaimer**
William H. Harvey, an Oatey Affiliate cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.