1. Identification

Product identifier: Harvey Leak Detector

Other means of identification:
- Product code: 039300E
- Synonyms: Part Numbers: 039300, 039302, 039303, 039304, 039305, 039310, 039311, 039350, 039355, 039360, 039375, 039380

Recommended use: Detecting leaks in metal pipes.
Recommended restrictions: None

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: Not Classified.
- OSHA defined hazards: Not Classified.

Label elements
- Hazard symbol: None.
- Signal word: None.
- Hazard statement: This product was determined to be non-hazardous.
- Precautionary statement:
  - Prevention: Not applicable
  - Response: Not applicable.
  - Storage: Not applicable.
  - Disposal: Not applicable.

Hazard(s) not otherwise classified (HNOC): None known.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>40 - 50</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>40 - 50</td>
</tr>
<tr>
<td>Lauramine Oxide</td>
<td>Mixture</td>
<td>1 – 5</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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
Eye contact
- Medical attention if symptoms occur.
- 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
- Skin or eye irritation.
- Indication of immediate medical attention and special treatment needed.
- Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

General information
- Note to physician, treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media
- Use dry chemical, CO2, alcohol-resistant foam or water spray (fog).

Unsuitable extinguishing media
- Water jet

Specific hazards arising from the chemical
- No specific fire or explosion hazard.

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
- 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

**US. ACGIH Threshold Limit Values**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol (CAS 57-55-6)</td>
<td>TWA</td>
<td>10 mg/m³ (Aerosol)</td>
</tr>
</tbody>
</table>

**Biological limit values**
No Biological limits.

**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**
Blue

**Odor**
Odorless

**Odor threshold**
Not available.

**pH**
7.2

**Melting point/freezing point**
Not applicable.

**Initial boiling point and boiling range**
212 °F (100 °C)

**Flash point**
> 212 °F (> 100 °C)

**Upper/lower flammability or explosive limits**

**Flammability limit – lower (%)**
Not available

**Flammability limit – upper (%)**
Not available

**Explosive limit - lower (%)**
Not available

**Explosive limit - upper (%)**
Not available

**Vapor pressure**
Not applicable

**Vapor density**
Not applicable

**Relative density**
1.03

**Solubility(ies)**

**Solubility (water)**
Not available

**Partition coefficient**

**(n-octanol/water)**
Not available

**Auto-ignition temperature**
Not applicable

**Decomposition temperature**
Not available

**Viscosity**
Not available

**Other information**

**VOC (Weight %)**
550 g/L
10. Stability and reactivity

Reactivity
Stable under normal conditions.

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
No specific data.

Incompatible materials
No specific data.

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
No known significant effects or critical hazards.

Skin contact
No known significant effects or critical hazards.

Eye contact
No known significant effects or critical hazards.

Ingestion
No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics
No specific data.

Information on likely routes of exposure

Acute Toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>Rat</td>
<td>30 g/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation
Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation
May cause eye irritation.

Respiratory or skin sensitization

Respiratory sensitization
Not considered a respiratory irritant

Skin sensitization
This product is not expected to cause skin irritation.

Germ cell mutagenicity
No specific data

Carcinogenicity
No known significant effects or critical hazards.

Reproductive toxicity
No known significant effects or critical hazards.

Specific target organ toxicity

Single exposure
Not Classified.

Repeated exposure
Not Classified.

Aspiration Hazard
Not an aspiration hazard.

Chronic effects
Not Classified.

Further information

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>Propylene Glycol</td>
<td>Acute LC50 18,340 µg/l</td>
<td>Crustacea</td>
<td>48 h</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 46,500 µg/l</td>
<td>Pimephales promelas</td>
<td>96 h</td>
</tr>
</tbody>
</table>

Persistence and degradability
Not Available.

Bio accumulative potential
-0.92 (Propylene Glycol)

Mobility in soil
Not available.

Other adverse effects
No known significant effects of critical hazards.

13. Disposal considerations

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of
Local disposal regulations
contents/container in accordance with local/regional/national/international regulations.
Dispose in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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

U.S. Federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312
No

SARA 313 (TRI reporting)
Not regulated.

US state regulations
California Prop 65
This product does not contain any chemicals known to the State of California to cause cancer,
birth defects, or other reproductive harm.

TSCA Status
United States & Puerto Rico
Toxic Substances Control Act (TSCA 8b) Yes
16. Other information, including date of preparation or last revision

Issue Date: 24-May-2015
Revision Date: -
Version #: 01
HMIS Rating
- Health: 1
- Flammability: 0
- Physical Hazards: 0

Disclaimer
William H. Harvey Co. 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.