1. IDENTIFICATION

Product identifier
Product Name
PermaLink® System Adhesive Tape
LOW VISCOSITY WN-548

Other means of identification
Product Code
WN-548LV
Synonyms
None

Recommended use of the chemical and restrictions on use
Recommended Use
Adhesive.
Uses advised against
No information available

Details of the supplier of the safety data sheet
Supplier Address
Worthen Industries, Inc
3 E. Spit Brook Road
Nashua, NH 03060
Manufacturer Address
Worthen Industries, Inc
3 E. Spit Brook Road
Nashua, NH 03060

Emergency telephone number
Company Phone Number
1-800-WORTHEN (967-8436)
Emergency Telephone
Domestic - Chemtrec 1-800-424-9300
International: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance
Translucent Liquid

Physical state
Liquid

Odor
Ammonia

Precautionary Statements - Response

Hazards not otherwise classified (HNOC)
Not applicable
### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**
The product contains no substances which at their given concentration, are considered to be hazardous to health.

*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice**
Move victim to a safe isolated area.

**Eye contact**
Flush with large quantities of water for 15 minutes and seek medical attention without delay, preferably from an ophthalmologist.

**Skin contact**
Not a likely hazard, but if a rash develops seek medical attention. If product gets on skin simply wash with soap and water...

**Inhalation**
Remove to fresh air. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.

**Ingestion**
If appreciable quantities are swallowed, seek medical attention.

**Self-protection of the first aider**
Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**
May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**
There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Water spray, fog or regular foam.

**Small Fire**
Water, water fog, foam.

**Large Fire**
Foam, CO2, Dry Chemical, Water, Fog, Other.

**Unsuitable extinguishing media**
Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical**
May cause eye irritation with prolonged contact. Runoff may pollute waterways. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous combustion products**
Carbon monoxide. Carbon dioxide (CO2).

**Explosion data**
No data available.
Sensitivity to Static Discharge  Not applicable.

Protective equipment and precautions for firefighters
Any class B extinguishing media can be used. Firefighters or those exposed to products of decomposition should wear full protective clothing and a positive pressure, self-contained breathing apparatus. Thoroughly clean equipment after use.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions  Ensure adequate ventilation, especially in confined areas.

Other Information  Use water spray to reduce vapors or divert vapor cloud drift. Ventilate the area.

For emergency responders  Eliminate ignition sources, provide ventilation, dike the spill are and add absorbant earth or sawdust to the spilled material. Clean-up personnel should wear rubber gloves and respiratory protection. Prevent spill from entering drains, sewers, streams, or other bodies of water. Notify authorities as required.

Environmental precautions

Environmental precautions  Collect absorbant material into metal waste containers and dispose of in accordance with all local, state, and federal hazardous waste regulations pertaining to the listed hazardous chemical. See Section 13 for additional disposal information.

Methods and material for containment and cleaning up

Methods for containment  In case of a spill, apply saw dust or sweeping compound to soak up.

Methods for cleaning up  For waste disposal purposes, a liquid with a pH between 2.0 and 12.5 is not defined as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40 CFR 261). Incinerate waste product in liquid form in a properly permitted incineration facility in accordance with federal, state, and local regulations. Liquids cannot be disposed of in a landfill. This product may be coagulated to separate the liquid from the polymer. The liquid portion may be discharged into an industrial or public treatment works with approval of appropriate permitting authorities. Solids may be sent to an approved landfill, or preferably incinerated.

Prevention of secondary hazards  Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling  Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions  Store in a cool, dry place away from oxidizing materials.

Packaging materials  Polyethylene, polypropylene, or lined metal containers.

Incompatible materials  Strong acids and salts will coagulate the latex; be sure to remain in the recommended pH range.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines  NIOSH IDLH Immediately Dangerous to Life or Health
Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls
Safety eye baths and showers should be nearby in work area.

Individual protection measures, such as personal protective equipment

Eye/face protection
Use chemical safety glasses, goggles, or face shields for protection. Eye wash stations should be in the immediate work area.

Skin and body protection
The use of rubber gloves is recommended when skin contact cannot be avoided.

Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations
Handle all chemicals with caution and care. Always wash hands before eating, smoking, or using toilet facilities. As with all chemicals, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Translucent Liquid</td>
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</tr>
<tr>
<td>Color</td>
<td>Clear liquid</td>
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<tr>
<td>Odor</td>
<td>Ammonia</td>
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<tr>
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<tr>
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<td>Melting point / freezing point</td>
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<td>Flash point</td>
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</tr>
<tr>
<td>Evaporation rate</td>
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<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
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<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
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<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
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<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
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<td>@20°C (kPa)</td>
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<tr>
<td>Vapor density</td>
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<tr>
<td>Relative density</td>
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<td>Water solubility</td>
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<td>Solubility in other solvents</td>
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<tr>
<td>Partition coefficient</td>
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</tr>
<tr>
<td>Autoignition temperature</td>
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<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
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<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
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<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
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<td></td>
</tr>
<tr>
<td>Explosive properties</td>
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<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

Other Information

Softening point                   | No information available |                      |
Molecular weight                  | No information available |                      |
VOC Content (%)                   | No information available |                      |
Density                           | 8.66 lbs/gal            |                                  |
Bulk density                      | No information available |                      |

10. STABILITY AND REACTIVITY
Reactivity
Not applicable

Chemical stability
Stable under recommended storage conditions

Possibility of Hazardous Reactions
None under normal processing.

   Hazardous polymerization     Hazardous polymerization does not occur.

Conditions to avoid
Do not freeze the containers or the product may coagulate and separate, rendering it unusable.

Incompatible materials
Strong acids and salts will coagulate the latex; be sure to remain in the recommended pH range.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information    Irritating to eyes, skin and respiratory tract Product does not present an acute toxicity hazard based on known or supplied information

   Inhalation       Vapors may be irritating to eyes, nose, throat, and lungs.
   Eye contact      May cause irritation.
   Skin contact     May cause skin irritation and/or dermatitis.
   Ingestion        Will cause discomfort and internal irritation. Stomach acids may coagulate the latex and result in intestinal blockage.

Information on toxicological effects

Symptoms    May cause eye irritation. May cause an allergic skin reaction.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation    Mild skin irritation. May be a skin sensitizer.
Serious eye damage/eye irritation    Irritating to eyes.
Irritation    Repeated exposure may cause skin dryness or cracking.
Corrosivity    No information available.
Sensitization    May cause sensitization by skin contact.
Germ cell mutagenicity    No information available.
Carcinogenicity    The table below indicates whether each agency has listed any ingredient as a carcinogen.
Reproductive toxicity    No information available.
STOT - single exposure    No information available.
STOT - repeated exposure    No information available.
Aspiration hazard    No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

   ATEmix (oral) 11,466.00

12. ECOLOGICAL INFORMATION
Ecotoxicity
This product may contain components with unknown hazards to the aquatic environment.

Persistence and degradability
No information available.

Bioaccumulation
No information available.

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
For waste disposal purposes, a liquid with a pH between 2.0 and 12.5 is not defined or designated as hazardous by current provisions of the Federal (FDA) Resource Conservation and Recovery Act (RCRA, 40 CFR 261). Incinerate waste product when in liquid form in a properly permitted incineration facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill. The product may be coagulated to separate the liquid from the polymer. The liquid portion may be discharged to an industrial or public treatment works with approval of appropriate permitting authorities. Solids can be sent to an approved landfill or preferably incinerated. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). Do not contaminate ponds, waterways, or ditches with chemical or used container. This product should not be allowed to enter drains, water courses, or the soil.

Contaminated packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number
U113

14. TRANSPORT INFORMATION

DOT
Not Regulated

15. REGULATORY INFORMATION

International Inventories
TSCA Complies
DSL/NDSL Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
US 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

CWA (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).

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.

US State Regulations

California Proposition 65
WARNING! This product contains, or may contain, a substance(s) known to the state of California to cause cancer and/or reproductive harm.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl acrylate - 140-88-5</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>water 7732-18-5</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

HMIS Health hazards 1 Flammability 0 Physical hazards 0 Personal protection B

Prepared By: Worthen Industries, Inc.
Issue Date: 25-Jan-2017
Revision Date: 25-Jan-2017
Revision Note: No information available
Disclaimer: The data set forth in these sheets are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. Worthen Industries makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereon.

End of Safety Data Sheet