1. IDENTIFICATION

Product Identifier
Product Name: UB FOAMY TAPPING (AERO)

Other means of identification
UN/ID No: UN1950

Recommended use of the chemical and restrictions on use
Recommended Use: Tapping and drilling metal.

Details of the supplier of the safety data sheet
Supplier Address: DORMER PRAMET
2511 Technology Dr., Suite 113-114
Elgin, IL 60124

Emergency Telephone Number
Company Phone Number: 832-399-1000
Emergency Telephone (24 hr): INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification
This product is classified under US OSHA 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:

Physical Hazards
- Flammable Aerosol: Category 2
- Gas under pressure (OSHA): liquefied gas

Health Hazards
- Aspiration Hazards: Category 1
- Acute Toxicity - Inhalation (gas/mist): Category 4

Signal Word: DANGER

Hazard Statements
- H223 Flammable aerosol
- H280 Contains gas under pressure, may explode if heated
- H304 May be fatal if swallowed and enters airways.
- H332 Harmful if inhaled

Precautionary Statements - Prevention
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P211 Do not spray on an open flame or other ignition source
- P251 Pressurized container: Do not pierce or burn, even after use
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P271 Use only outdoors or in a well-ventilated area

Precautionary Statements - Response
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312 Immediately call a poison center or doctor/physician
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331 DO not induce vomiting

Precautionary Statements - Storage
P405 Store locked up
P410+P412 Protect form sunlight. Do not store at temperatures exceeding 50°C/e 122°F.
P403 Store in a well-ventilated place

Precautionary Statements - Disposal
P501 Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkanes (C14.17), Chloro</td>
<td>85535-85-9</td>
<td>10-20</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
<td>10-20</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>10-30</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

**General Advice**
Provide this SDS to medical personnel for treatment.

**Eye Contact**
Flush immediately with copious amounts of water for 15 minutes. If irritation persists, see physician.

**Skin Contact**
Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.

**Inhalation**
Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. Seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

**Ingestion**
Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate medical attention/advice.

**Most important symptoms and effects**

**Symptoms**
May cause eye, skin and respiratory tract irritation. May include redness, drying and cracking of skin.

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

**Notes to Physician**
Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media
Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
DO NOT use stream of water (could cause fire to spread).

Specific Hazards Arising from the Chemical
A mixture of liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.
Pressurized container: May burst if heated.

Protective equipment / Precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Avoid contact with skin or eyes.
Avoid breathing dust/fume/gas/mist/vapors/spray
See SECTION 8 for Personal Protective Equipment

Environmental Precautions
Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.
Prevent further leakage or spillage if safe to do so.
See SECTION 12 for Ecological Information

Methods for Clean-Up
Absorb or cover with dry earth, sand or other non-combustible material.
Sweep up absorbed material and shovel into suitable containers for disposal.
If the product contaminates rivers and lakes or drains inform respective authorities.
Discard any product, residue, disposable container or liner in full compliance with federal state, and local regulations.
See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice.
Wash face, hands, and any exposed skin thoroughly after handling.
Use only with adequate ventilation.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not puncture or incinerate cans. Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.

Storage Conditions
Keep container tightly closed and store in a cool, dry and well-ventilated place.
Do not store at temperatures above 120°F.

Incompatible Materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
<th>Mexico OELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro treated naphthenic distillates</td>
<td>TWA: 5 mg/m³</td>
<td>PEL: 5 mg/m³</td>
<td>STEL: 10 mg/m³</td>
<td>Propano VLE-PPT:</td>
</tr>
<tr>
<td>(mist) 64742-52-5</td>
<td>STEL: 10 mg/m³</td>
<td>8 hours (mist).</td>
<td>15 minutes.</td>
<td>1,000 ppm</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 1800 mg/m³</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1800 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vacated)</td>
<td>TWA: 1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1800 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Engineering Controls
Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Maintain eye wash fountain and quick-drench facilities in work area.

Personal Protective Equipment

Eye/Face Protection
Safety glasses with side shields are recommended.

Skin and Body Protection
Impervious gloves such as neoprene or solvex can be used.

Respiratory Protection
Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations
Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Aerosol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid in an aerosol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Slight; Petroleum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>&gt; 100 °C / &gt; 212 °F</td>
<td>Bulk Fluid-Non-Aerosol</td>
<td>(PMCC)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 235 °C / &gt; 455 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&gt; 1.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&lt; 5.0</td>
<td></td>
<td>(Air=1)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.894 Aerosol / 1.04 Bulk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Nil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to Avoid
Incompatible Materials.

Incompatible Materials
Hazardous Decomposition Products

Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact
May cause temporary irritation on eye contact.

Skin Contact
Prolonged contact may cause redness and irritation.

Inhalation
Harmful if inhaled. May cause irritation to the mucous membranes and upper respiratory tract.

Ingestion
May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rabbit)</td>
<td>&gt; 5 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Propane 74-98-6</td>
<td>-</td>
<td>-</td>
<td>= 658 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Aspiration hazard
Risk of chemical pneumonia after aspiration into lung

Skin sensitization
Not determined

Carcinogenicity
Not determined

STOT- repeated/single exposure
Not determined

Gem Cell Mutagenicity
Not determined

Reproductive Toxicity
Not determined

Other Information
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effect

Component Information

Alkanes (C14-17), Chloro CAS# 85535-85-9
EC50 daphnia magna, 0.0059 mg/l, 48-hr
NOEC daphnia magna, 0.010 mg/l, 21 day

Distillates (PET), hydrotreated light naph CAS # 64742-52-5
LC50 Oncorhynchus mykiss 5000 mg/kg 96 hr
EC50 Daphnia magna 1,000mg/L 48 hr

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
### Component Information

<table>
<thead>
<tr>
<th>Component Information</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane</td>
<td>74-98-6</td>
</tr>
<tr>
<td>Alkanes (C14-17), Chloro</td>
<td>85535-85-9</td>
</tr>
</tbody>
</table>

### Other Adverse Effects

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes**

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

**Contaminated Packaging**

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

### 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

- **UN/ID No**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1

**IATA**

- **UN/ID No**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1

**IMDG**

- **UN/ID No**: UN1950
- **Proper Shipping Name**: Aerosols
- **Hazard Class**: 2.1

### 15. REGULATORY INFORMATION

**International Inventories**

The components in the product are on the following Inventory lists: (X = listed)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>INSQ</th>
<th>KECL</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET distillates, hydrotreated light, naph</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Alkane (C14-17), Chloro</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Propane</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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
- **INSQ** - Mexico National Inventory of Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **AICS** - Australian Inventory of Chemical Substances

**WHMIS Classifications**

- Class B - Division 5: Flammable aerosol
- Class D - Division 2A, 2B: Toxic Materials
EPCRA – Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quality
This material does not contain any component with a CERCLA RQ

SARA 311/312 Hazard Categories
Acute Health Hazard

SARA 313
This product does not contain any chemical(s) regulated under the Section 313 Title III of the Superfund Amendments and Reauthorization Act

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

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>Propane</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Pet distillates, hydrotreated light naphthenic</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>Not determined</td>
</tr>
<tr>
<td>HMIS</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Issue Date: 06-Oct-2014
Revision Date: 24-Mar-2018
Revision Note: Update

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet