SAFETY DATA SHEET

1. Identification

Product identifier TrueTap® Foamy Cutting Fluid
Other means of identification
Product code 03410
Recommended use Cutting fluid
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information
Manufactured or sold by:
Company name CRC Industries, Inc.
Address 885 Louis Dr.
Warminster, PA 18974 US
Telephone General Information 215-674-4300
Technical 800-521-3168
Customer Service 800-272-4620
24-Hour Emergency 800-424-9300 (US)
(CHEMTREC) 703-527-3887 (International)
Website www.crcindustries.com

2. Hazard(s) identification

Physical hazards Flammable aerosols Category 2
Gases under pressure Liquefied gas
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.
Label elements

Signal word Warning
Hazard statement Flammable aerosol. Contains gas under pressure; may explode if heated.
Precautionary statement Prevention
Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area.
Response Wash hands after handling.
Storage Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.
Disposal Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC) None known.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol esters of fatty acids</td>
<td>Proprietary</td>
<td>60-50</td>
<td></td>
</tr>
<tr>
<td>Chlorinated paraffin</td>
<td></td>
<td>61788-76-9</td>
<td>30 - 40</td>
</tr>
</tbody>
</table>

Material name: TrueTap® Foamy Cutting Fluid
1782 Version #: 01 Issue date: 01-15-2014
Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

**Inhalation**
If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Skin contact**
Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact**
Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion**
Direct contact with eyes may cause temporary irritation.

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

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically.

**General information**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

**Suitable extinguishing media**
Water.

**Unsuitable extinguishing media**
None known.

**Specific hazards arising from the chemical**
Contents under pressure. Pressurized container may explode when exposed to heat or flame.

**Special protective equipment and precautions for firefighters**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire-fighting equipment/instructions**
In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. In the event of fire, cool tanks with water spray.

**General fire hazards**
Flammable aerosol.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

**Precautions for safe handling**
Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use only in well-ventilated areas. Wash hands thoroughly after handling. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

**Conditions for safe storage, including any incompatibilities**
Level 3 Aerosol.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.
8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Occupational exposure limits</th>
<th>No exposure limits noted for ingredient(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological limit values</td>
<td>No biological exposure limits noted for the ingredient(s).</td>
</tr>
<tr>
<td>Appropriate engineering controls</td>
<td>Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.</td>
</tr>
<tr>
<td>Individual protection measures, such as personal protective equipment</td>
<td></td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>Safety glasses.</td>
</tr>
<tr>
<td>Skin protection</td>
<td></td>
</tr>
<tr>
<td>Hand protection</td>
<td>Wear protective gloves such as: Nitrile. Viton®.</td>
</tr>
<tr>
<td>Other</td>
<td>Wear suitable protective clothing.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>No personal respiratory protective equipment normally required. Air monitoring is needed to determine actual employee exposure levels.</td>
</tr>
<tr>
<td>Thermal hazards</td>
<td>Wear appropriate thermal protective clothing, when necessary.</td>
</tr>
<tr>
<td>General hygiene considerations</td>
<td>When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.</td>
</tr>
</tbody>
</table>

9. Physical and chemical properties

**Appearance**
- Physical state: Liquid.
- Form: Aerosol.
- Color: Amber.
- Odor threshold: Not available.
- pH: Not available.
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: 460 °F (237.8 °C) estimated
- Flash point: > 455 °F (> 235 °C) Pensky-Martens Closed Cup
- Evaporation rate: Slow.
- Flammability (solid, gas): Not available.

**Upper/lower flammability or explosive limits**
- Flammability limit - lower (%): Not available.
- Flammability limit - upper (%): Not available.

**Vapor pressure**: 2278 hPa estimated

**Vapor density**: > 1 (air = 1)

**Relative density**: 1.03 estimated

**Solubility (water)**: Negligible.

**Partition coefficient (n-octanol/water)**: Not available.

**Auto-ignition temperature**: Not available.

**Decomposition temperature**: Not available.

**Viscosity (kinematic)**: Not available.

**Percent volatile**: 100 % estimated

10. Stability and reactivity

**Reactivity**: The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**: Material is stable under normal conditions.

**Possibility of hazardous reactions**: No dangerous reaction known under conditions of normal use.

**Conditions to avoid**: Heat, flames and sparks. Contact with incompatible materials. Do not touch can to live electrical sources.

11. Toxicological information

Information on likely routes of exposure

- **Ingestion**: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

- **Inhalation**: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

- **Skin contact**: Prolonged skin contact may cause temporary irritation.

- **Eye contact**: Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

- **Direct contact with eyes**: May cause temporary irritation.

Information on toxicological effects

- **Acute toxicity**: Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

- **Skin corrosion/irritation**: Prolonged skin contact may cause temporary irritation.

- **Serious eye damage/eye irritation**: Direct contact with eyes may cause temporary irritation.

- **Respiratory sensitization**: Not available.

- **Skin sensitization**: This product is not expected to cause skin sensitization.

- **Germ cell mutagenicity**: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

- **Carcinogenicity**: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

- **Reproductive toxicity**: This product is not expected to cause reproductive or developmental effects.

- **Specific target organ toxicity - single exposure**: Not classified.

- **Specific target organ toxicity - repeated exposure**: Not classified.

- **Aspiration hazard**: Not likely, due to the form of the product.

- **Chronic effects**: Prolonged exposure may cause chronic effects.

12. Ecological information

- **Ecotoxicity**: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

- **Persistence and degradability**: No data is available on the degradability of this product.

- **Bioaccumulative potential**: No data available.

- **Mobility in soil**: No data available.

- **Other adverse effects**: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

- **Disposal of waste from residues / unused products**: The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Empty container can be recycled. Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

- **Hazardous waste code**: Not regulated.

- **Contaminated packaging**: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

- **DOT**
  - **UN number**: UN1950
  - **UN proper shipping name**: Aerosols, flammable, limited quantity
  - **Transport hazard class(es)**
    - **Class**: 2.1
    - **Subsidiary risk**: -
    - **Label(s)**: 2.1
  - **Packing group**: Not applicable.
  - **Special precautions for user**: Read safety instructions, SDS and emergency procedures before handling.
Special provisions: N82
Packaging exceptions: 306
Packaging non bulk: None
Packaging bulk: None

IATA
- UN number: UN1950
- UN proper shipping name: Aerosols, flammable, limited quantity
- Transport hazard class(es): 2.1
- Subsidiary risk: -
- Packing group: No.
- Environmental hazards: Not applicable.
- ERG Code: 10L
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
- Other information: Allowed.

IMDG
- UN number: UN1950
- UN proper shipping name: AEROSOLS, LIMITED QUANTITY
- Transport hazard class(es): 2
- Subsidiary risk: -
- Packing group: No.
- Environmental hazards: Marine pollutant: Not applicable.
- EmS: Not available.
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory information

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

SARA 304 Emergency release notification
Not regulated.

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

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance
Not listed.

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

CERCLA Hazardous Substances: Reportable quantity
Not listed.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

Food and Drug Administration (FDA)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 Hazard categories
- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - Yes
- Pressure Hazard - Yes
- Reactivity Hazard - No
SARA 302 Extremely hazardous substance

US state regulations

- **US. New Jersey RTK - Substances: Listed substance**
  None.
- **US. Massachusetts RTK - Substance List**
  None.
- **US. Pennsylvania RTK - Hazardous Substances**
  None.
- **US. Rhode Island RTK**
  None.
- **US. California Proposition 65**
  California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Volatile organic compounds (VOC) regulations

EPA

- **VOC content (40 CFR 51.100(s))**
  100 %
- **Consumer products (40 CFR 59, Subpt. C)**
  Not regulated

State

- **Consumer products**
  This product is regulated as a Cutting or Tapping Oil (aerosol). This product is compliant in all 50 states. Local restriction: This product cannot be used in the South Coast Air Quality Management District of California.

  - **VOC content (CA)**
    25 %
  - **VOC content (OTC)**
    25 %

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
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<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
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<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
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<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

<table>
<thead>
<tr>
<th>Issue date</th>
<th>01-15-2014</th>
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<tbody>
<tr>
<td>Prepared by</td>
<td>Allison Cho</td>
</tr>
<tr>
<td>Version #</td>
<td>01</td>
</tr>
<tr>
<td>Further information</td>
<td>CRC # 453A</td>
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<tr>
<td>HMIS® ratings</td>
<td>Health: 1</td>
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<td>Instability: 0</td>
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</table>
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