SAFETY DATA SHEET
SUPERIOR NO. 367T
DATE REVISED: April 8, 2020

SECTION 1 – IDENTIFICATION
Product Name/Part number: Superior No. 367T
Recommended use: Flux Thinner
Manufacturer: Superior Flux & Mfg. Co.
6615 Parkland Blvd
Cleveland OH, 44139
Emergency Contact: CHEMTREC
6615 Parkland Blvd
Emergency Phone: 1-800-424-9300
For other info: (440) 349-3000

SECTION 2 – HAZARD(S) IDENTIFICATION
Classification of the substance or mixture
GHS Classification in accordance with OSHA HCS (29 CFR 1910)
Flammable liquids (Category 2)   H225
Eye irritation (Category 2)    H319
Specific target organ toxicity – Single exposure; central nervous system, optic nerve,
respiratory system (Category 1)  H370
Specific target organ toxicity – Repeated exposure; kidney, liver, spleen, blood
(Category 1)           H372
See below for full text of H-Statement
GHS Label Elements, including precautionary statements
Pictogram(s):

Signal Word: Danger
Hazard Statement(s)
H225   Highly flammable liquid and vapor
H319   Causes serious eye irritation
**H370  Causes damage to organs
H372  Causes damage to organs through prolonged or repeated exposure
** Not included on label due to presence of more severe statement

Precautionary statement(s)
P210   Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
P233   Keep container tightly closed
P240   Ground or bond container and receiving equipment
P241   Use explosion-proof electrical/ventilating/lighting/equipment
P242   Use only non-sparking tools
P243   Take precautionary measures against static discharge
P261   Avoid breathing mists, vapors, or spray
P264   Wash hands and any exposed skin thoroughly after handling
P270   Do not eat, drink, or smoke when using this product
P280   Wear protective gloves and eye protection
P303+P361+P353   IF ON SKIN (or hair): Take off immediately all contaminated clothing.
                                                      Rinse skin with water/shower
P305+P351+P338   IF IN EYES: Rinse cautiously with water for several minutes. Remove
                                      contact lenses, if present and easy to do. Continue rinsing.
P370+P378  In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

P403+P235  Store in a well ventilated place. Keep cool

P405  Store locked up

P501  Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazards not otherwise classified or not covered by GHS: None

SECTION 3 – COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>85-100</td>
</tr>
</tbody>
</table>

Unlisted percentages are non-hazardous stabilizers, and water.

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most Important Symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2 (labeling)

Medical Conditions Generally Aggravated by Exposure: Any weakness of the lungs, kidneys or liver will be aggravated.

SECTION 5 – FIREFIGHTING MEASURES

Suitable Extinguishing Media: Use dry chemical, carbon dioxide, or alcohol-resistant foam

Special Hazards: Flammable. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Do not mix with strong oxidizing or dehydrating agents. Do not mix with strong oxidizing or dehydrating agents. Do not store in presence of oxidizing agents.

Special protective actions for firefighters: Wear protective clothing, including NIOSH-approved self-contained breathing apparatus
SECTION 6 - ACCIDENTAL RELEASE MEASURES
Personal Precautions and Equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. See section 8 for personal protection.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

In Case Material is spilled: Contain spillage, absorb with sawdust and place in container for disposal according to local regulations.

SECTION 7 - HANDLING AND STORAGE
Precautions for safe handling: Avoid inhalation of vapor or mist. Keep tightly closed in a dry and well-ventilated place.

General Precautions: Do not eat, drink, or smoke while using this product. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

For full precaution statements see Section 2

Storage Requirements: Keep container tightly closed in a cool and well-ventilated area. Keep away from heat, open flame, electrical sparks, or oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION
CONTROL PARAMETERS
OSHA Permissible Exposure Limit (PEL): 1,000 ppm
ACGIH Threshold Limit Value (TLV): 1,000 ppm

Engineering Controls: Use local exhaust ventilation to maintain air concentrations of vapors and fumes below occupational exposure standards.

Special Engineering Control Needs: Explosion proof and non-sparking electrical equipment

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a respirator with multi-purpose combination (USA) or ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU).

Protective Gloves: Handle with gloves. (Nitrile Rubber recommended) Gloves must be inspected prior to use. Use proper glove removal techniques (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good lab practices. Wash and dry hands after handling.

Eye Protection: Use tightly fitting safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (USA) or EN 166 (EU)

Body Protection: Complete suit protecting against chemical, flame retardant protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and
must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

SECTION 9 - PHYSICAL AND CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/Freezing point</td>
<td>-90°C / -130°F</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>77°C / 170.6°F</td>
</tr>
<tr>
<td>Flash point</td>
<td>11.7°C / 53°F</td>
</tr>
<tr>
<td>Evaporation rate (Butyl Acetate = 1)</td>
<td>3.1</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>Liquid, gas</td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>Upper explosion limit: 2%</td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>Lower explosion limit: 12%</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>42 mmHg</td>
</tr>
<tr>
<td>Vapor density (Air = 1)</td>
<td>1.4</td>
</tr>
<tr>
<td>Relative density (Water = 1)</td>
<td>0.790</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>398.9°C / 750°F</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No data available
Stability: Product is stable under recommended storage conditions
Possibility of hazardous reactions: No data available
Conditions to Avoid: Heat, sparks, and open flames
Incompatibility: Strong oxidizers
Hazardous Decomposition Products Carbon monoxide (CO), carbon dioxide (CO₂)

In the event of fire: See Section 5
SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Route(s) of Exposure: Inhalation, ingestion, skin and eye contact

Symptoms (Immediate and Chronic) from

<table>
<thead>
<tr>
<th>Likely Route(s) of Exposure</th>
<th>Acute Exposure</th>
<th>Prolonged or Repeated Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Measure(s) of toxicity

<table>
<thead>
<tr>
<th>Measure(s) of toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
</tr>
</tbody>
</table>

IARC:
No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP:
No component of this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA:
No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

<table>
<thead>
<tr>
<th>Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
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</table>

Persistence and degradability

<table>
<thead>
<tr>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
</tr>
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</table>

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
</tr>
</tbody>
</table>

Mobility in soil

<table>
<thead>
<tr>
<th>Mobility in soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
</tr>
</tbody>
</table>

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

<table>
<thead>
<tr>
<th>Product</th>
<th>Offer surplus and non-recyclable solutions to a licensed disposal company.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contaminated packaging</td>
<td>Dispose of as unused product.</td>
</tr>
</tbody>
</table>

SECTION 14- TRANSPORTATION

D.O.T. (USA)

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>Alcohol, NOS (Contains Ethanol, Methanol)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification Number</td>
<td>UN1987</td>
</tr>
<tr>
<td>Hazard Class(es)</td>
<td>3</td>
</tr>
<tr>
<td>Packing Group</td>
<td>II</td>
</tr>
<tr>
<td>D.O.T. Label Req. Info</td>
<td>Flammable Liquid</td>
</tr>
</tbody>
</table>

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SECTION 15 - REGULATORY INFORMATION

SARA 302 Components  No Chemicals in this material are subject to the reporting requirement of SARA Title III, Section 302.

SARA 313 Components  The following components are subject to reporting levels established by SARA Title III, Section 313

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>03/01/2007</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazards  Acute Health Hazard, Flammable

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

THIS PRODUCT IS ROHS 3 COMPLIANT

SECTION 16 - OTHER INFORMATION

Further information:
Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. The above information does not represent any guarantee of the properties of the product. It is believed to be correct, but does not purport to be all inclusive and should be used only as a guide. Reasonable care has been taken in the preparation of this material, and is based on the present state of our knowledge.

Superior Flux & Mfg. Co. shall not be held liable for any damage resulting from handling or from contact with the above product. There are NO WARRANTIES, NO REPRESENTATIONS AND NO RESPONSIBILITY AS TO THE ACCURACY OR THE SUITABILITY OF THIS INFORMATION FOR ANY PURCHASER'S USE OR FOR ANY CONSEQUENCE TO USE.

Reference(s):
Sigma-Aldrich – SDS for Ethanol

Preparation information
Superior Flux & Mfg. Co.
440-349-3000