Product Name: Superior No. 5700-SFM
Manufacturer: Superior Flux & Mfg. Co.  6615 Parkland Blvd. Cleveland, OH 44139
Emergency Phone Number: 1-800-424-9300 (CHEMTREC)
Other Information Calls: (440) 349-3000

To the Purchaser: This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

| H.M.I.S. INFORMATION | HEALTH = 2  | FLAMMABILITY = 0  | REACTIVITY = 0  |

SECTION I - IDENTIFICATION

Common Name: Superior No. 5700-SFM
Chemical Family: Soldering Flux
CAS Number: NA
Chemical Name: NA
Formula: See below

SECTION II – HAZARDS IDENTIFICATION

Classification of Substance or Mixture:
Classification (CLP): Corrosive
Label Elements (CLP): No Data Available

Risk Phrases: R36/37/38, R41
Safety Phrases: S26, S36
See section XVI for full text description of S and R phrases
Other Hazards: None if used properly

SECTION III- COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>EC No.</th>
<th>%</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydrogen sulfate</td>
<td>7681-38-1</td>
<td>231-665-7</td>
<td>10-25</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Tripropylene Glycol</td>
<td>25498-49-1</td>
<td>246-466-0</td>
<td>2.5-10</td>
<td>NA</td>
</tr>
</tbody>
</table>

Unlisted percentages are non-hazardous stabilizers, activators, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.
SECTION IV - HEALTH HAZARDS

Primary Routes of Entry: Fume inhalation, ingestion, skin, and eyes.

Signs and Symptoms of Exposure:
  1) Acute Effects: Reddening of eyes and skin, acid stomach if ingested, inhalation may cause respiratory tract irritation.
  2) Chronic Effects: No specific information available

Medical Conditions Generally Aggravated by Overexposure: None presently known.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 5 mg/m$^3$

ACGIH Threshold Limit Value (TLV): 5 mg/m$^3$

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water for 10 minutes. Call a physician.
Skin: Wash thoroughly with water.
Inhalation: Remove to fresh air or administer oxygen. Call a physician.
Ingestion: If patient is fully conscious, give two glasses of water. Obtain medical attention immediately.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA
Flammable Limits: NA
Extinguishing Media: Not necessary.
Auto Ignition Temperature: NA
Special Fire Fighting Procedures: Normal caution when dealing with chemicals.
Unusual Fire and Explosion Hazards: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is spilled: Absorb with clay, dry sand, or other inert material. Do not use combustible materials like sawdust. Place in chemical waste container.

SECTION VII - HANDLING AND STORAGE

Storage Requirements: Store in plastic containers in cool area, away from heat.
Handling Precautions: Safe precautionary practices to avoid spills and exposure to skin and fumes.
Other Precautions: NA
SECTION VIII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH approved respirator.
Ventilation: Yes
Mechanical (General): Yes
Local Exhaust: Yes
Eye Protection: Safety glasses/goggles
Protective Gloves: Yes, NIOSH approved
Other Protective Clothing or Equipment: Optional to user’s preference

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 104ºC/220ºF
Specific Gravity (Water = 1): 1.154
Vapor Pressure (mm Hg): NA
Percent Volatile by Volume: 80%
Vapor Density (Air = 1): NA
Evaporation Rate (Butyl Acetate = 1): NA
Melting Point: NA
Solubility in Water: Unlimited
Appearance and Odor: Dark blue liquid, solvent odor

SECTION X - STABILITY AND REACTIVITY

Stability: Product is stable
(Conditions to Avoid): Metals
Incompatibility: Avoid contact with strong acids and strong oxidizers.
Hazardous Decomposition Products: Aldehydes, ketones, and organic acids.
Hazardous Polymerization: Will not occur
(Conditions to Avoid): NA

SECTION XI - TOXICOLOGICAL INFORMATION

Acute Toxicity Data
1) Oral: LD-50 (rat): Not available
2) Inhalation: LC-50 (rat): Not available
3) Dermal: LD-50 (rabbit): Not available
4) Skin Irritation: (rabbit): Not available

Chronic Toxicity Data
1) Repeated Skin Application: (rat): Not available
2) Eye Irritation: (rabbit): Not available

SECTION XII - ECOLOGICAL INFORMATION

This Material has not been Tested for Environmental Effects.
SECTION XIII - DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of in accordance with EPA regulations.

SECTION XIV - TRANSPORTATION

**D.O.T. Proper Shipping Name:** Bisulphates, Aqueous Solution  
**Hazard Class:** 8  
**Identification Number:** UN2837  
**Packing Group:** II  
**Type D.O.T Label Required Information:** Corrosive  
**Waste Disposal Method:** Dispose in accordance with EPA regulations

SECTION XV - REGULATORY INFORMATION

**OSHA Hazardous Chemical According to 29 CFR 1910.1200:** None

**Carcinogenicity Classification (Components Present at 0.1% or More):** Non-Carcinogenic  
**International Agency for Research on Cancer (IARC):** Not Listed  
**American Conference of Governmental Industrial Hygienists (ACGIH):** Not Listed  
**National Toxicology Program (NTP):** Not Listed  
**Occupational Safety and Health Administration (OSHA):** Not Listed

None of the Components of this Product are Listed on the U.S. Toxic Substances Control Act. Inventory or Otherwise Comply with TSCA Pre-manufacture Notification Requirements. This Product is RoHS Compliant.

SECTION XVI - OTHER INFORMATION

The labeling of this product is indicated in Section II. The full text of all abbreviations indicated by codes in the MSDS are as follows:

- R36 Irritating to eyes
- R37 Irritating to respiratory system
- R38 Irritating to skin
- R41 Risk of serious damage to eyes
- S-26 In case of contact with eyes rinse immediately with water and seek medical attention
- S-36 Wear suitable protective clothing

**Disclaimer:** Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this material, but 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.