SAFETY DATA SHEET
SUPERIOR No. 607
DATE REVISED: September 11, 2017

Product Name/Part Number: Superior No. 607
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

SECTION 1 -- IDENTIFICATION
Common Name: Superior No. 607
Chemical Family: Silver Brazing Paste Flux
CAS Number: N/A
Chemical Name: N/A
Formula: See Section 3

SECTION 2 – HAZARDS IDENTIFICATION
Classification of Substance or Mixture:

GHS Classification:
- Skin irritation (Category 2) H315
- Eye irritation (Category 2) H319
- Reproductive toxicity (Category 2) H361
- Specific target organ toxicity, Respiratory system
  - Single Exposure (Category 3) H335

Label Elements

Pictogram(s):

Signal Word: Warning

See section XVI for full text description of H-Statements

Hazard Statement(s)
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H335 May cause respiratory irritation
- H361 Suspected of damaging fertility or the unborn child.

Precautionary statement(s)
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing fumes
- P264 Wash skin thoroughly after handling
- P280 Wear protective gloves, eye protection, face protection
- P302+P352 IF ON SKIN: Wash with plenty of soap and water
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice
- P332+P313 If skin irritation occurs: Get medical advice
- P337+P313 If eye irritation persists: Get medical advice
- P405 Store locked up
- P501 Dispose of contents to an approved waste disposal plant

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>Potassium Tetraborate</td>
<td>1332-77-0</td>
<td>30-55</td>
</tr>
<tr>
<td>Boric Acid</td>
<td>10043-35-3</td>
<td>15-35</td>
</tr>
<tr>
<td>Potassium Bifluoride</td>
<td>7789-29-9</td>
<td>15-35</td>
</tr>
</tbody>
</table>

None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

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: Remove to fresh air.
Eyes: Flush with water for fifteen (15) Minutes. Remove contacts if present and easy to do so. Call physician.
Skin: Wash thoroughly of soap and water.
Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician immediately

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.

OSHA Permissible Exposure Limit (PEL): 2.5 mg/m\(^3\)
ACGIH Threshold Limit Value (TLV): 2.5 mg/m\(^3\)

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media: Not applicable
Special Hazards: No data available
Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Use personal protective equipment.
See section 8 for personal protection.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.
In Case Material is spilled: Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal. Flush remaining material with plenty of water.

SECTION 7 - HANDLING AND STORAGE

Storage Requirements: Store in plastic containers in cool area. Keep containers in a well-ventilated place. Do not store in glass or porcelain. Keep container away from excessive heat.

Handling Precautions: Avoid contact with skin and eyes. Provide appropriate and adequate ventilation for or fumes when brazing.
For precautions see Section 2
SECTION 8 - CONTROL MEASURES

Respiratory Protection: For nuisance exposures use type P95 (US) particle respirator. For higher level protection use type OV/AG/P99 respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Ventilation: Yes Mechanical (General): Yes Local Exhaust: Yes

Protective Gloves: Yes – Nitrile rubber. Use equipment tested and approved under NIOSH standards.
Eye Protection: Safety glasses conforming to EN166. Use equipment tested and approved under NIOSH standards.
Other Protective Clothing or Equipment: Rubber apron recommended.

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of the anticipated use. It should not be construed as offering an approval for any specific use scenario.

SECTION 9 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance: Paste, White
Odor: No data available
pH: 8.12 @ 20-25°C
Melting/Freezing Point: 500°C
Boiling Point/Range: Not applicable
Flash Point: Not applicable
Evaporation Rate: 0.3 (Butyl Acetate = 1)
Flammability (solid/gas) Not applicable
Upper/lower flammability or explosive limits No data available
Vapor Pressure No data available
Vapor Density No data available
Relative Density 1.6 (Water = 1)
Bulk Density No data available
Water Solubility Moderate
Partition coefficient: No data available
n-octonol/water
Auto-ignition Temperature No data available
Decomposition Temperature No data available
Viscosity No data available
Explosive Properties No data available
Oxidizing Properties No data available

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: Excessive heat
Incompatibility: Glass, porcelain
Hazardous Decomposition Products Fluorides with high heat

In the event of fire: See Section 5
SECTION 11 - 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 12 - ECOLOGICAL INFORMATION

This material has not been tested for environmental effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

SECTION 14- TRANSPORTATION

D.O.T. Proper Shipping Name: Non-hazardous
Identification Number: NA
Type D.O.T. Label Required Information: NA
Hazard Class: NA
Packing Group: NA

SECTION 15 - 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.

SECTION 16 - OTHER INFORMATION

Full text of H-Statements and P-Statements referred to in Section II and/or III.

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HMIS Rating
Health 2
Flammability 0
Reactivity 0

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.

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

Version 2.1
Revision Date: 09/11/2017