SAFETY DATA SHEET
SUPERIOR NEUTRALIZER 1
DATE REVISED: January 31, 2018

SECTION 1 -- IDENTIFICATION
Product Name/Part number: Superior Neutralizer 1
Recommended use: pH-corrective agent
Manufacturer: Superior Flux & Mfg. Co.
6615 Parkland Blvd
Cleveland OH, 44139
Mfg. Phone No. (440) 349-3000
Emergency Phone No.: 1-800-424-9300 (CHEMTREC)

SECTION 2 – HAZARD(S) IDENTIFICATION
Classification of the substance or mixture
GHS Classification in accordance with OSHA HCS (29 CFR 1910)
Eye irritation (Category 2A) H319

See below for full text of H-Statements
GHS Label Elements, including precautionary statements
Pictogram(s):

!  

Signal Word: Warning

Hazard Statement(s)
H319 Causes serious eye irritation

Precautionary statement(s)
P264 Wash skin thoroughly after handling
P280 Wear protective clothing and face protection
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice or attention

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>Sodium carbonate</td>
<td>497-19-8</td>
<td>5-10</td>
</tr>
</tbody>
</table>
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: Wash off with soap and plenty of water. If rash develops, consult a physician.

Ingestion: Get medical attention immediately.

Most Important Symptoms and effects, both acute and delayed

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

SECTION 5 – FIREFIGHTING MEASURES

Suitable Extinguishing Media: None necessary

Special Hazards: Not applicable

Special protective actions for firefighters: Normal cautions when dealing with chemicals.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist, or gas.

See section 8 for personal protection.

In Case Material is spilled: Contain spillage with absorbent inert material such as sand, soil, or oil dry, and then place in chemical waste container. Wash spill area with plenty of water.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Standard lab practices to avoid spills and exposure to skin or eyes.

For full precaution statements see Section 2

Storage Requirements: Store in plastic containers in cool area, away from heat.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

OSHA Permissible Exposure Limit (PEL): No data available

ACGIH Threshold Limit Value (TLV): No data available

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

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face 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 supplied air respirator. Use respirators and components tested an 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:** Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (USA) or EN 166 (EU)

**Body Protection:** Impervious clothing, flame retardant antistatic 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>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>&gt;10.50 @ 20-25°C</td>
</tr>
<tr>
<td>Melting point/Freezing point</td>
<td>0°C/32°F (approx.)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>104°C / 220°F</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>Upper explosion limit: N/A</td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>Lower explosion limit: N/A</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density (Air = 1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density (Water = 1)</td>
<td>1.050 @ 20-25°C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Completely miscible 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>Not applicable</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: No data available
Incompatibility: Strong oxidizers, metals
Hazardous Decomposition Products Carbon oxides (Under fire conditions)
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
   Acute Exposure No data available
   Prolonged or Repeated Exposure No data available
Measure(s) of toxicity
   No data available
Is this chemical listed in the National Toxicology Program (NTP) Report on Carcinogens?
   No data available
Is this chemical found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs or by the Occupational Safety and Health Administration (OSHA) No data available
Additional information
   To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

SECTION 12 - ECOLOGICAL INFORMATION

No data available
Persistence and degradability
   No data available
Bioaccumulative potential No data available
Mobility in soil No data available
Other adverse effects
   Hazard to ozone layer: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods
Product Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging Dispose of as unused product.
SECTION 14- TRANSPORTATION
D.O.T. (USA) Not regulated
IATA Not regulated

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 312/313 Components No Chemicals in this material are subject to the reporting requirement of SARA Title III, Section 312/313.
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 AND REACH 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.

Reference(s):
Sigma-Aldrich – Formatting

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