**SAFETY DATA SHEET**  
**SUPERIOR SYBERKLEEN**  
**DATE REVISED:** January 1, 2016

**Product Name:** Superior Syberkleen  
**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.

<table>
<thead>
<tr>
<th>H.M.I.S. INFORMATION:</th>
<th>HEALTH = 3</th>
<th>FLAMMABILITY = 0</th>
<th>REACTIVITY = 0</th>
</tr>
</thead>
</table>

**SECTION I - IDENTIFICATION**

**Common Name:** Superior Syberkleen  
**Chemical Family:** Aqueous Cleaner  
**CAS Number:** NA  
**Chemical Name:** NA  
**Formula:** See below

**SECTION II – HAZARDS IDENTIFICATION**

Classification of Substance or Mixture:  
**Classification (CLP):** Corrosive  
**Label Elements (CLP):** Corrosive

![Corrosive and Irritant Symbols]

**Precautionary Phrases:** P264, P270, P280, P301+P312, P305+P351+P338, P330, P337+P313, P301+P330+P331, P304+P340, P309+P311

**Risk Phrases:** R36/37/38, R34

**Safety Phrases:** S-26, S-27, S-36/37/39, S-45, S18, S61, S62, S64

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>%</th>
<th>OSHA PEL</th>
<th>H Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monoethanolamine</td>
<td>141-43-5</td>
<td>5-15</td>
<td>3 mg/m³</td>
<td>H227, H312, H332, H302, H335, H314</td>
</tr>
</tbody>
</table>

Unlisted percentages are non-hazardous stabilizers, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.
SECTION IV – FIRST AID MEASURES

**Inhalation:** Remove to fresh air

**Eyes:** Flush with water for fifteen (15) Minutes. Call physician.

**Skin:** Wash thoroughly with soap and water.

**Ingestion:** If patient is fully conscious, give large amounts of water. Obtain medical attention immediately.

Most Important Symptoms and effects, both acute and delayed

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

**Symptoms of Overexposure:** Salivation, coughing, choking, chills, may cause weight loss, brittle bones, anemia, and stiff joints.

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

**Chemical Listed as Carcinogen or Potential Carcinogen:** None

**OSHA Permissible Exposure Limit (PEL):** NA

**ACGIH Threshold Limit Value (TLV):** NA

SECTION V - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** None to 104°C/220°F

**Flammable Limits:** NA

**Extinguishing Media:** Apply foam, CO₂, water

**Auto Ignition Temperature:** 398.9°C/750°F

**Special Fire Fighting Procedures:** Fire fighters should use respiratory protection for toxic fumes.

**Unusual Fire and Explosion Hazards:** Use blanket to smother fire. Use water only in fine mist or spray

SECTION VI - ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is spilled:** Absorb spill with sawdust or wood shavings and remove in accordance with EPA regulations.

SECTION VII - HANDLING AND STORAGE

**Storage Requirements:** Plastic containers in a cool dry place when not in use.

**Handling Requirements:** Safe precautionary use to prevent spills and exposure to skin. Keep away from oxidizing agents.

**Other Precautions:** None

SECTION VIII - CONTROL MEASURES

**Respiratory Protection (TYPE):** NIOSH approved respirator.

**Ventilation:** Yes

**Mechanical (General):** Yes

**Local Exhaust:** Yes

**Eye Protection:** Safety glasses

**Protective Gloves:** Recommended, NIOSH approved

**Other Protective Clothing or Equipment:** Rubber gloves and an apron
SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 100°C/212°F
Specific Gravity (Water = 1): 1.003
Vapor Pressure (mm Hg): NA
Percent Volatile by Volume: 100%
Vapor Density (Air = 1): >2
Evaporation Rate (Butyl Acetate = 1): 1
Melting Point: NA
Solubility in Water: Complete
Appearance and Odor: Clear liquid, ammonia odor

SECTION X - STABILITY AND REACTIVITY

Stability: Product is stable
(Conditions to Avoid): NA
Incompatibility: Oxidizing agents and acids
Hazardous Decomposition Products: Carbon dioxide and nitrogen oxides in fire conditions
Hazardous Polymerization: Will not occur
(Conditions to Avoid): Contact with eyes and skin

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: Ethanolamine solution
Hazard Class: 8
Identification Number: UN2491
Packing Group: III
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: NA
Carcinogenicity Classification: (Components Present at 0.1% or More)
International Agency for Research on Cancer (IARC): NA
American Conference of Governmental Industrial Hygienists (ACGIH): NA
National Toxicology Program (NTP): NA
Occupational Safety and Health Administration (OSHA): NA
All 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:

- **R34** Causes burns
- **R36** Irritating to eyes
- **R37** Irritating to respiratory system
- **R38** Irritating to skin

- **S-18** Handle and open container with care
- **S-26** In case of eye contact, rinse thoroughly and get medical attention
- **S-27** Take off immediately contaminated clothing
- **S-36/37/39** Wear suitable protective clothing, gloves, and eye/face protection
- **S-45** In case of accident or if feel unwell call medical advice immediately
- **S61** Avoid release to the environment. Refer to special instructions/safety data sheet
- **S62** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible
- **S64** If swallowed, rinse mouth with water (only if the person is conscious)

- **P264** Wash … thoroughly after handling
- **P270** Do not eat, drink or smoke when using this product
- **P280** Wear protective gloves/protective clothing/eye protection/face protection
- **P301+P312** IF SWALLOWED: Call a POISON CENTER or doctor/physician 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
- **P330** Rinse mouth
- **P337+P313** If eye irritation persists get medical advice/attention
- **P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- **P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- **P309+P311** IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
H227  Combustible liquid
H302  Harmful if swallowed
H312  Harmful if contact with skin
H332  Harmful if inhaled
H314  Causes severe skin burns and eye damage
H335  May cause respiratory irritation

Further information:
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