

SAFETY DATA SHEET

SUPERIOR No. 325C LIQUID

DATE REVISED: January 1, 2017

Product Name: Superior No. 325C Liquid

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 = 1 FLAMMABILITY = 1 REACTIVITY = 0

SECTION I - IDENTIFICATION

Common Name: Superior No. 325C Liquid

Chemical Family: Flux and Cleaner

CAS Number: NA

Chemical Name: NA

Formula: See Below

SECTION II – HAZARDS IDENTIFICATION

Classification of Substance or Mixture:

Classification (CLP): No Data Available

Label Elements (CLP): No Data Available



Irritant

Precautionary Statements: P280, P305+P351+P338, P310

See section XVI for full text description of P statements

Other Hazards: None if used properly

SECTION III- COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL	H Statements
Surfactant	9036-19-5	100	NA	NA

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/m³

ACGIH Threshold Limit Value (TLV): 5 mg/m³

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water for 15 minutes. Call a physician.

Skin: Wash thoroughly with soap and 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: 212.8°C/415°F

Flammable Limits: Lower

Extinguishing Media: Water spray or apply alcohol-type or all-purpose-type foam for large fires. Carbon dioxide or dry chemical media for small fires.

Auto Ignition Temperature: None

Special Fire Fighting Procedures: Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

Unusual Fire and Explosion Hazards: Surfactants can cause foaming problems in biological wastewater treatment plants and other high shear operations

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is spilled: Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to suitable containers for recovery or disposal. To avoid gelling and foaming problems, do not use water to flush away spills.

SECTION VII - HANDLING AND STORAGE

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

Handling Precautions: Do not get in eyes. Do not swallow. Avoid contact with skin and clothing. Do not handle or empty in presence of flammable vapor

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: Recommended, polyvinyl chloride coated.
Other Protective Clothing or Equipment: Eye bath, safety shower, chemical apron

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: 427°C/801°F
Specific Gravity (Water = 1): 1.018
Vapor Pressure (mm Hg) : <0.01mmHg
Percent Volatile by Volume: 0.016%
Vapor Density (Air = 1) : >1
Evaporation Rate (Butyl Acetate = 1) : <0.01
Melting Point: NA
Solubility in Water: Unlimited
Reactivity in Water: None
Appearance: Clear colorless liquid

SECTION X - STABILITY AND REACTIVITY

Stability: Product is stable
(Conditions to Avoid): Prolonged excessive heat may cause decomposition.
Incompatibility: Strong bases at high temperatures, strong acids, strong oxidizing agents, and materials reactive with hydroxyl compounds.
Hazardous Decomposition Products: NA
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
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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: Non-hazardous
Identification Number: NA
Type D.O.T Label Required Information: NA

Hazard Class: NA
Packing Group: NA

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:

P280	Wear protective gloves/protective clothing/eye protection/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
P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor

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