

MATERIAL SAFETY DATA SHEET

TCL-599

Superior Industries, Inc.
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GENERAL INFORMATION NUMBER: (423) 899-0467
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REVISION DATE: February 26, 2013
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I - Product Identification

TCL-599

PRODUCT CODE: 0627091

CHEMICAL FORMULATION: Inorganic silicate

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 0

FLAMMABILITY: 0

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Sodium Silicate	5.00-10.00	N/E	N/E	N	N	N	1344-09-8

Key: **PEL**: Permissible Exposure Limit **TLV**: Threshold Limit Value **C**: Ceiling level **STEL**: Short Term Exposure Limit
N/A: Not Applicable **N/D**: Not Determined **N/E**: Not Established **Y**: Yes **N**: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): 212

SPECIFIC GRAVITY (WATER = 1): 1.10

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): 0.0

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): ~1.0

SOLUBILITY IN WATER: Soluble

pH: 11.00-12.00

APPEARANCE AND ODOR: Cloudy, white liquid; no odor

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A

LOWER: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARD: None

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Acids.

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: Severe irritation, tearing and redness.

IF ON SKIN: Irritation, with prolonged exposure.

IF SWALLOWED: Burns to mucous membranes, nausea, cramps, and diarrhea. **IF**

INHALED: No hazards under normal use.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention, immediately. **IF**

ON SKIN: Remove contaminated clothing and launder before re-use. Flush skin thoroughly with water.

IF SWALLOWED: Contact physician or poison control center immediately. Give affected person several glasses of water, followed with citrus fruit juice. Do not induce vomiting. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up spilled material with inert absorbent material or flush away with plenty of water.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Avoid inhalation of spray mists.

VENTILATION

LOCAL: Not required

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Chemical goggles or safety glasses.

OTHER PROTECTIVE EQUIPMENT: Eye wash station

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from acids. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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