



TAC DLC®

Date Revised: October 18, 1989

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SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: TAC DLC
CHEMICAL NAME: Triallyl Cyanurate on Calcium Silicate
SYNONYMS: N/DA
CHEMICAL FAMILY: Triazine ester

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS REGISTRY	PERCENT	PEL	TLV
Calcium Silicate	1344-95-2	28	10 mg/m3	10 mg/m3

TRANSPORTATION: Not regulated

SECTION III - PHYSICAL DATA

BOILING POINT: 324°F; 162°C @ 2 mm Hg SPECIFIC GRAVITY: 1.268
VAPOR PRESSURE (mm Hg): 1 mm Hg @ 100°C PERCENT VOLATILES: N/A
VAPOR DENSITY (Air = 1): N/A EVAPORATION RATE: N/A
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Tan, free flowing powder with mild odor.

SECTION IV - FIRE & EXPLOSION DATA

FLASH POINT (Method Used): >200°F Setaflash Closed Cup

FLAMMABLE LIMITS: Lower - N/D Upper - N/D

AUTOIGNITION TEMPERATURE: N/DA

EXTINGUISHING MEDIA: Water spray, carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray, carbon dioxide or dry chemical to extinguish fires. Use water to keep containers cool. Wear self-contained positive pressure breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: See Section VIII for the hazardous decomposition products.

NFPA or HMIS RATING: Health- 2, Fire- 1, Reactivity- 0.

SECTION V - WARNING STATEMENTS

Calcium Silicate: Prolonged or repeated exposure to excessive concentrations of this product dust or any nuisance dust can cause chronic pulmonary disease. This substance or mixture has not been classified a carcinogen by NTP, IARC or OSHA.
TAC: CAUTION! May cause eye and skin irritation. Polymerization may occur from excessive heat or contamination.

MARKETED BY

**HARWICK STANDARD
DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305.



SECTION VI - HEALTH HAZARD DATA

EXPOSURE LIMITS: Not established for this product. Refer to Section II for the exposure limits of the hazard constituents.

CHRONIC & ACUTE HEALTH EFFECTS- Calcium Silicate: ACUTE; Transitory upper respiratory irritant. CHRONIC; Prolonged or repeated exposures to excessive concentrations of product dust can cause chronic pulmonary disease.

PRIMARY ROUTE OF ENTRY- Calcium Silicate: Inhalation.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None.
NTP: No IARC Monographs: No OSHA: No

EFFECTS OF OVEREXPOSURE: -

EYES - Calcium Silicate: Temporary irritation and inflammation. TAC: No significant eye irritation were produced during primary irritation studies with rabbits. In inhalation studies in rats, animals exposed to 0.33 mg/l, TAC had not deaths. However, eye irritation were seen under these conditions.

SKIN - Calcium Silicate: N/A. TAC: Slight skin irritation were produced during primary irritation studies with rabbits. The acute dermal (rabbit) LD50 values are 8.6 g/kg.

INHALATION - Calcium Silicate: Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. TAC: In inhalation studies in rats, animals exposed to 0.33 mg/l, TAC had not deaths. However, respiratory tract irritation were seen under these conditions. The acute oral (rat) values are 660 mg/kg.

INGESTION - Calcium Silicate: Not hazardous when ingested. TAC: N/DA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE - Calcium Silicate: Preexisting upper respiratory and lung diseases such as, but not limited to bronchitis, emphysema and asthma.

SECTION VII - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Immediately rinse with clean water for 15 minutes. Retract eyelids often. If irritation persists, seek medical attention.

SKIN CONTACT: Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Seek medical attention if ill effect or irritation develops.

INHALATION: If overcome by exposure, remove victim to fresh air immediately. Call a physician.

INGESTION: N/DA.



SECTION VIII - REACTIVITY DATA

STABILITY: Stable. Avoid contamination with metallic impurities and peroxides.

MATERIALS TO AVOID- Calcium Silicate: Hydrofluoric Acid. TAC: Peroxides, metallic compounds, strong oxidizing agents.

HAZARDOUS DECOMPOSITIONS PRODUCTS: Thermal decomposition or combustion may produce oxides of carbon, allyl alcohol, allyl chloride, allyl isocyanate, allyl cyanide, oxides of nitrogen and/or hydrogen cyanide.

HAZARDOUS POLYMERIZATION: May occur.

CONDITIONS TO AVOID- TAC: Do not store above 120°F. Avoid contamination with metals such as copper, nickel, manganese, and mercury or their compounds.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED: MINIMIZE SPILL AREA. Impound and recover for large land spill; Use dust suppressant. Report per regulatory requirements.

WASTE DISPOSAL METHOD: In accordance with local, state and federal regulations.

SECTION X - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use a respirator such as 3M 9900 or equivalent for protection against pneumoconiosis producing dusts.

VENTILATION: Provide explosion proof ventilation as required to control airborne dust levels. The sum total of all ingredients may emit vapors during normal processing. All possible health effects are not known and individual sensitivities will vary. Effective exhaust ventilation should always be provided to draw dust, fumes and vapors away from workers to prevent routine inhalation. Ventilation should be adequate to maintain the ambient workplace atmosphere below the limits listed in Section II.

PROTECTIVE GLOVES: Impervious gloves to protect against contact with product.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, eye wash station, safety shower.

SECTION XI - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Handling can create explosive dust clouds. Eliminate ignition sources, use explosion proof equipment. Conveying and processing equipment should be spark-proof, well bonded and grounded. Avoid dust accumulations.

OTHER PRECAUTIONS: Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before re-use.

**NATROCHEM, INC.**Post Office Box 1205
Savannah, Georgia 31498-4201
(912) 236-4464**MATERIAL SAFETY
DATA SHEET**

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SECTION XII - SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals and/or compounds subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
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None.

N/A = Not Applicable N/D = Not Determined N/DA = No Data Available
N/E = Not Established

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