

**NATROCHEM, INC.**

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CI-25 DLC

**MATERIAL SAFETY
DATA SHEET**

Date Revised: 07/22/86

SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: CI-25 DLC

SYNONYMS: Coumarone Indene on Calcium Silicate

CHEMICAL FAMILY: Coumarone Indene Resin
-----**SECTION II - HAZARDOUS INGREDIENTS**

INGREDIENT	CAS REGISTRY	PERCENT	TLV(Units)	PEL's
Manville's MicroCel E	1344-95-2	28	30 mppcf**	N/D
Flexon 340	64742-11-6	27	5 mg/m3**	N/D

** See Section V for further information on Exposure Limits.

TRANSPORTATION: N/D
-----**SECTION III - PHYSICAL DATA**

BOILING POINT: N/DA	SPECIFIC GRAVITY: 1.160
VAPOR PRESSURE(mm Hg): N/DA	PERCENT VOLATILES: N/DA
VAPOR DENSITY(Air = 1): N/DA	EVAPORATION RATE: N/DA
SOLUBILITY IN WATER: Negligible	CAS #: 63393-89-5*
APPEARANCE AND ODOR: Tan, free flowing powder with mild naphthenic odor.	

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT(Method Used): 350°F COC
 FLAMMABLE LIMITS: Lower - N/DA Upper - N/DA
 AUTOIGNITION TEMPERATURE: N/DA
 EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical, or water fog.
 SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode.
 UNUSUAL FIRE & EXPLOSION HAZARDS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

SECTION V - PRECAUTIONARY DATA

** MicroCel E: Dust from this material is considered a nuisance particulate with a TLV of 30 mppcf or 15mg/M3

Flexon 340: 5mg/m3 for oil mist in air. There is no toxicology information about this material, however, the components possess irritancy potential. The oil componet has been classified by IARC as a skin carcinogen in mice; however, the carcinogenic potential of resinous material containing this oil has not been established.

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SECTION VI - HEALTH HAZARD DATA

EXPOSURE LIMITS: TLV - 30 mppcf or 15mg/M3

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NTP: No

I.A.R.C. Monographs: Yes

OSHA: No

EFFECTS OF OVEREXPOSURE: -

EYES: Product contacting the eyes may cause eye irritation.

SKIN: Prolonged or repeated skin contact with this product tends to remove skin oils possibly leading to irritation and dermatitis in the absence of good personal hygiene; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation.

SWALLOWING: Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury.

SECTION VII - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

SKIN CONTACT: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

INHALATION: Remove individual to fresh air and call a physician.

INGESTION: If ingested, DO NOT induce vomiting; Get medical attention immediately.

SECTION VIII - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Open flames, high temperatures, electric arc.

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials: Carbon dioxide, and carbon monoxide, sulfur oxides, and aldehydes.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS MATERIAL IS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: MINIMIZE SPILL AREA. Wear suitable protective equipment; avoid skin and eye contact. Collect for disposal.

WASTE DISPOSAL METHOD: Use registered transporters. Dispose in accordance with local, state, and federal regulations.

SECTION X - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: OSHA or NIOSH approved dust mask.

VENTILATION: Provide explosion proof ventilation as required to control airborne dust levels.

PROTECTIVE GLOVES: PVC or Neoprene

EYE PROTECTION: Safety Goggles

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

SECTION XI - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & 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 reuse.

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

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