

MATERIAL SAFETY DATA SHEET

ISSUE DATE: 08/30/93

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Supersedes: Any Previous M.S.D.S. On This Product

EMERGENCY PHONE NUMBER: CHEM-TEL, INC. 1-800-255-3924

I. IDENTIFICATION

PRODUCT NAME: Butyl Sealant

PRODUCT CLASS: Sealant

II. HAZARDOUS INGREDIENTS

<u>MATERIAL:</u>	<u>% WEIGHT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Kaolin (Clay)	40	10 mg/M3	10mg/M3
Calcium Carbonate (Limestone)	30	15 mg/M3	10mg/M3
Heavy Naphthenic Distillate	15	5 mg/M3	5mg/M3
Polybutene	10		
Stoddard Solvent (Mineral Spirits)	5	100 ppm	100 ppm
Kerosine (Petroleum) +	5		
N-Tallow Trimethylenediamine Oleates	3		
Crystalline Silica (Quartz) *	2	0.1 mg/M3	0.1/M3

III. PHYSICAL DATA

DESCRIPTION: An off-white, non-skinning, non-drying synthetic polymer based pumpable sealant.

SPECIFIC GRAVITY: 1.51

EVAPORATION RATE: (Ether=1): > 1

SOLUBILITY IN WATER: Negligible

VOLATILE BY WEIGHT: 25 Grams / Liter

ODOR: Solvent

VOC: 160.46 g/l (in storage) - 89.70 g/l after 72 hour curing process

IV. HEALTH HAZARDOUS DATA

ROUTE OF EXPOSURE: Inhalation of vapors, skin contact, eyes and ingestion

EFFECTS OF OVEREXPOSURE:

Acute Effect: The primary effect of acute overexposure is the CNS disturbance characterized by headache and dizziness. Inhalation can also cause respiratory tract irritation. Contact with the eyes or skin may cause irritation. If ingested may cause nausea, vomiting or irritation of intestinal tract.

Chronic Effects: Reports have associated Repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. IARC concluded that there is sufficient evidence for carcinogenicity of crystalline silica (quartz) in experimental animals, but only limited evidence in humans. Prolonged and repeated over exposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. However, silica in this product is encapsulated and release is not expected unless it is necessary to abrade, grind or sand surfaces coated with product.

V. EMERGENCY AND FIRST AID

INHALATION: If acute overexposure to vapors occurs, remove victim from the adverse environment and seek medical attention.

SKIN CONTACT: Wash area of contact with soap and water. If irritation persists, seek medical attention.

EYE CONTACT: Flush immediately with running water for fifteen minutes. Seek medical attention.

INDIGESTION: Contact physician immediately. Have list of ingredients available. DO NOT INDUCE VOMITING.

VI. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NA

EXTINGUISHING MEDIA: If water fog is ineffective, use carbon dioxide, dry chemical or foam.

SPECIAL PROCEDURES: Firefighter should wear equipment to protect against noxious fumes.

VII. SPILL OR LEAK PROCEDURES

Ventilate area to reduce the vapor concentration below TLV. Absorb the spill with vermiculite, sand, earth or other inert substances. Transfer to a suitable container for deposit.

Waste Disposal Method: Remove sources of ignition immediately; stop flow; ventilate area; contain spill; absorb with inert material. Dispose in suitable container as hazardous waste according to all applicable regulations.

VIII. SPECIAL PROTECTION

VENTILATION: Local exhaust ventilation should be provided to keep worker exposures within allowable limits.

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved organic vapor respirators when vapor concentrations exceed the TLV.

EYE PROTECTION: Personal protective equipment should be worn when there is a reasonable probability of injury.

PROTECTIVE GLOVES: Impervious rubber gloves.

IX. CARCINOGENIC ASSESSMENT

* = Indicates IARC, NTP, or OSHA carcinogen

+ = Specific chemical is listed in SARA-313: shown at typical percentage.

WARNING: THIS PRODUCT CONTAINS CHEMICAL (S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

X. REACTIVITY DATA

STABILITY: Stable under normal conditions of handling and use.

CONDITIONS TO AVOID: High heat and ignition sources may ignite vapors in confined places.

INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCT: Will not occur.

HAZARDOUS POLYMERIZATION: Will not occur.

XI. SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Store in closed containers, in normal warehouse conditions below 80F. Guard against inhalation of excess vapors, ingestion and contact with skin and eyes. Change soiled work clothes frequently. Clean hands after handling. Precautions also apply to emptied containers.

This information is taken from sources or based upon data believed to be reliable; however, C.L.WARD & FAMILY INC. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.