



MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
BEACHWOOD, OHIO 44122-8068

TELEPHONE: (216)292-5000

EMERGENCIES: (216)765-6727 8:30-5:00 EST
AFTER HOURS: CHEMTREC (800)424-9300

SECTION 1

Order Code: DEV716 802

Product Name: SPECTREM 4-TS
Chemical Name:
Chemical Family: Sealant
Product Code: DEV-716
MSDS Preparer: R. A. MIKOL
Date Prepared: 05-MAY-03
Replaces Date: N/A

Other applications:

Section 2 - Molecular Composition

Common Name and Chemical Name Exposure Limits	Weight %	CAS Number
POLYMERS	60.0-80.0	Trade Secret
OSHA:TWA - STEL -		
ACGIH:TWA - STEL -		
CALCIUM CARBONATE	8.0-20.0	471-34-1
OSHA:TWA 15 mg/M3 STEL -	(total dust, 5mg/M3 respirable fraction)	
ACGIH:TWA 10 mg/M3 STEL -	(total dust, no asbestos, <1% SiO2)	
PLASTICIZER	5.0-15.0	Trade Secret
OSHA:TWA 5 mg/M3 STEL -		
ACGIH:TWA 5 mg/M3 STEL 10 mg/M3		
POLYDIMETHYLSILOXANE, TRIMETHYL ENDCAP	1.0-5.0	63148-62-9
OSHA:TWA - STEL -		
ACGIH:TWA - STEL -		
OXIMOSILANE	1.0-5.0	22984-54-9
OSHA:TWA - STEL -		
ACGIH:TWA - STEL -		
AMINOSILANE	0.5-2.0	1760-24-3
OSHA:TWA - STEL -		
ACGIH:TWA - STEL -		

Section 3 - Hazards Identification

Emergency Overview:

Neutral color paste. If inhaled can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system. Leave area to breathe fresh air. Avoid further exposure. If symptoms persist, get medical attention.

Potential Hlth Effect/Rte of Entry:

Inhalation:
Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.
Eyes:
Can cause irritation.
Ingestion:
Can cause gastrointestinal irritation.
Skin:
Can cause irritation.

Aggravated Medical Conditions:

Pre-existing eye, skin, respiratory, and liver disorders may be aggravated by exposure.

Acute Health Effects:

See effects described above.

Chronic Health Effects:

During cure, up to 2% Methyl Ethyl Ketoxime (MEKO) may be released. MEKO

has caused allergic skin reactions and liver tumors in animals. Overexposure to MEKO may cause blood effects (methemoglobinemia and anemia). However, due to the extremely low vapor pressure of MEKO (<8mm Hg @20C), release of high airborne concentrations is not expected under normal conditions of use. Prolonged or repeated exposure (orally or by inhalation) of the plasticizer to rats produced decreased body weights, spleen and sex organ changes, increased liver and kidney weights, reduced food consumption, and effects on the liver, testes and pancreas. Birth defects have been reported in mice and rats at dose levels of the plasticizer that produce significant toxicity in the mother and offspring. However, birth defects have not been observed in rabbits. Evidence of the carcinogenicity of the plasticizer has been mixed. An initial NTP study of the effects of the plasticizer has reported an increased incidence of mononuclear cell leukemias in female rats, a commonly occurring spontaneous disease in this strain, but no increase in tumors in mice. However, a repeat study has not found an increase in leukemias, although an increase in kidney and bladder lesions in females and in pancreatic tumors in males was noted. Furthermore, a concurrent study that restricted diet also has not revealed any increase in tumors in male and female rats. Numerous studies also have indicated that the plasticizer is not genotoxic. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Section 4 - First Aid Measures

Inhalation:

Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Eyes:

Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Ingestion:

Get medical attention immediately.

Skin:

Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Notes to Physician:

N/A

Section 5 - Fire Fighting Measures

Flash Point: >200 F

Method: SETA

Lower Flammability Limit: N/A

Upper Flammability Limit: N/A

Autoignition Temperature: N/A

Extinguishing Media:

Water fog.

Fire and Explosion Hazards:

Not Applicable

Special Fire Fighting Procedures:

During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

Fire Fighting Equipment: N/A

Other Precautions:

Oxides of silicon can form.

Section 6 - Accidental Release Measures

Release Response Overview:

Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

Section 7 - Handling and Storage

Handling and Storage Precautions:

Store under normal warehouse conditions. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Precautions also apply to emptied containers. Change soiled workclothes frequently. Clean hands thoroughly after handling.

Section 8 - Exposure Controls/Personal Protection

Respiratory:

Wear NIOSH/MSHA approved respirator as directed by the manufacturer when the ventilation is not adequate.

Skin:

Protect hands with impervious rubber gloves and wear typical full cover clothing. Prevent contact with skin.

Eyes:

Wear suitable safety eyewear.

Face:

Not required.

Engineering:

Use local exhaust when the general ventilation is not adequate.

Section 9 - Physical and Chemical Properties

Odor/Appearance: MILD OXIME/NEUTRAL COLOR PASTE
Color: NEUTRAL
Physical State: PASTE
pH:
Vapor Pressure: NOT ESTABLISHED
Vapor Density: N/A
Boiling Point: >200 F
Melting Point: N/A
Freezing Point: N/A
Solubility in Water: NEGLIGIBLE
Specific Gravity: 1.1
% Volatile Weight: 0.0

Section 10 - Reactivity/Stability

Stability:

Stable

Incompatible Products:

Avoid contact with oxidizing agents, strong acids and bases.

Conditions to Avoid Polymerization:

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Eyes: SEE SECTION 3
Ingestion: " " "
Inhalation: " " "
Skin: " " "
Subchronic: " " "
Chronic: " " "

Section 12 - Ecological Information

Ecotoxicological Data: N/A
Chemical Fate: N/A

Section 13 - Disposal Considerations

RCRA Class: N/A
Disposal Method:
Not regulated by RCRA. Dispose of in compliance with state and local regulations.

EPA Reportable Quantities

N/A

Section 14 - Transportation Data

DOT Shipping Name: NOT REGULATED
DOT Hazard Class:
DOT Label:
UN/NA Number: N/A
Packing Group:
Special Provisions:

Packaging

Exceptions:
Non-Bulk:
Bulk:

Quantity Limitations

Passenger Aircraft or Railcar:
Cargo Aircraft:

Vessel Stowage Requirements

Vessel Stowage:
Other Stowage:

Transportation Notes: N/A

Section 15 - Regulatory Information

TSCA Status: On the TSCA Inventory
OSHA Status: Considered hazardous based on the following criteria:
Irritant

Target Organs

Lung
Skin
Eye

OSHA Hazardous Components

CALCIUM CARBONATE
PLASTICIZER
POLYMERS

CAS Number

471-34-1
Trade Secret
Trade Secret

Compliance Quantities

N/A

SARA 311 Ratings

Immediate Health Hazard: N
Delayed Health Hazard: N
Fire Hazard: N

Reactivity Hazard: N
Sudden Release of Pressure Hazard: N

SARA 313 Ingredients CAS Number

No SARA 313 Ingredients

Proposition 65 Ingredients

WARNING: This product contains chemicals known to the State of
California to cause cancer, birth defects and/or other
reproductive harm.

CAS number

CRYSTALLINE SILICA (QUARTZ) (<0.05%)

14808-60-7

Section 16 - Other Information

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.
THE HAZARD INFORMATION HEREIN IS OFFERED SOLELY FOR THE CONSIDERATION
OF THE USER, SUBJECT TO HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE
REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE
CONDITION.