

MATERIAL SAFETY DATA SHEET

ChemRex, Inc.
Commercial Construction Products Division
889 Valley Park Drive
Shakopee, MN 55379

24-Hr Emergency
CHEMTREC (800) 424-9300

Prepared by: Regulatory Affairs Department (612) 496-6000
 Revision Date: 03/29/00

Page: 1 of 4
 Reason for revision: Manufacturer name change

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard.

All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

1. **PRODUCT NAME:** SET 45 HOT WEATHER

Chemical Family: Hydraulic cement grouts.

2. HAZARDOUS INGREDIENTS:	CASNO	TLV	EXPOSURE LIMITS*			CONTENT
			STEL	PEL		
Silica, Crystalline Quartz **	14808-60-7	***	None	****	50-80%	
Magnesium Oxide	1309-48-4	3 mg/m3 (Respirable)	None	None	5-20%	
Fly Ash	68131-74-8	3 mg/m3 (Respirable Dust)	None	None	5-15%	
Ammonium phosphate	7722-76-1	None	None	None	3-10%	
Sodium Tripolyphosphate	7758-29-4	None	None	None	< 3%	

*) Refer to Section 7 for available LD/LC(50) Health Hazard Data.

**) Contains less than 0.1% w/w 53 micron or smaller Crystalline Quartz.

***) 0.1 mg/m3 respirable quartz

****) 10 mg/m3 divided by %SiO₂+2 (respirable quartz)

3. **PHYSICAL DATA:**

Boiling Point (oC):	N/Ap	Water/Oil Distribution	
Percent Volatile:	0	Coefficient:	N/Av
Freezing Point (oC):	N/Ap	Solubility in Water:	Slight
Vapor Pressure mmHg @20(oC):	N/Av	Specific Gravity:	N/Av
Vapor Density:	> Air	pH:	N/Ap
Odor Threshold:	N/Av	Evaporation Rate:	N/Av
Appearance: Gray granular powder		Odor: Odorless	
N/Av = Not Available	N/Ap = Not Applicable		ca. = Approximate

SET 45 HOT WEATHER

Page 2 of 4

4. **FIRE AND EXPLOSION HAZARD DATA:** HMIS Hazard Rating No. 0 (Minimal)

Flash Point: Non-flammable Method: Not Applicable

Auto-Ignition Temp.: Non-flammable

Limits of Flammability: LEL: Non-flammable UEL: Non-flammable

Extinguishing Media: This material is non-flammable. Use extinguishing media suitable for surrounding fires.

Special Fire & Unusual Hazards: None.

5. **REACTIVITY DATA:** HMIS Hazard Rating No. 0 (Minimal)

Stability: Stable. Not sensitive to mechanical impact.

Incompatibility: Strong mineral acids.

Hazardous Decomposition Products: Releases small quantities of ammonia on contact with water.

Hazardous Polymerization: Will not occur.

6. **ENVIRONMENTAL AND DISPOSAL INFORMATION:**

Action to Take for Spills/Leaks: No special procedures are required for clean-up of spills or leaks of this material. Sweep up and return for reuse or discard. Landfill at agency approved waste-disposal facilities.

Waste Disposal Method: Does not contain hazardous chemicals as defined in 40 CFR 260. Handle disposal of waste material in manner which complies with local, state, province and federal regulation. Landfill agency approved waste-disposal facilities.

7. **HEALTH HAZARD DATA:** HMIS Hazard Rating No. 3 (Serious)

PRIMARY ROUTE OF ENTRY: Inhalation, Eyes, Skin, Ingestion

Effects Of Overexposure

Inhalation: Inhalation of nuisance dust can cause coughing and labored breathing. In contact with water, ammonia may be released in sufficient quantity to cause irritation to mucous membranes and respiratory tract.

Eyes: Abrasive action may cause severe irritation and possible injury. In combination with water may cause severe irritation and possibly burns.

Skin Contact: Abrasive action may cause slight to moderate irritation. In combination with water, repeated or prolonged dermal exposure may cause moderate to severe alkali burns.

Skin Absorption: In dry form, does not absorb through skin. In combination with water, not expected to be absorbed through skin in sufficient quantity to cause increase in overall toxicity.

LD(50) Dermal CASRN 7758-29-4 >4650 mg/kg Rabbit.

SET 45 HOT WEATHER

7. **HEALTH HAZARD DATA:** (cont'd)

Effects Of Overexposure (cont'd)

Ingestion: Not likely source of entry due to physical nature of material.

Chronic Materials are not known mutagenic, teratogenic, or reproductive health hazards.

Repeated inhalation of respiratory silica in excess of the TLV over extended periods can result in irreversible fibrosis of the lungs (silicosis). An IARC evaluation concluded that there is sufficient evidence (Group I) that crystalline silica may be carcinogenic to humans.

8. **FIRST AID:**

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Do **NOT** induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do **NOT** give anything by mouth to an unconscious person.

9. **SPECIAL PROTECTION INFORMATION:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of airborne dust concentrations.

Personal Protection Equipment: Do NOT wear contact lenses when working with this material. Use safety glasses with side shields and Rubber/Latex gloves. Selection of specific items such as boots and apron will depend on operation. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH/OSHA approved respirators equipped with a dust cartridge for listed hazard.

Confined spaces, rooms, or tanks are areas where concern for TLV's is especially important. Reference OSHA Regulation CFR 29 1910.134 for recommended respiratory protection.

10. **ADDITIONAL INFORMATION:**

Average Shelf Life: Refer to Product Data Sheet.

Special Instructions: Store in cool, dry place.

SET 45 HOT WEATHER

10. **ADDITIONAL INFORMATION:** (cont'd)

REGULATORY INFORMATION:

Title III Section 302: No reportable chemicals.

Title III Section 311/312: Health hazard: Immediate
Delayed
Physical hazard: None

Title III Section 313: No reportable materials.

State: California This product contains a chemical known to the state of California to cause cancer.

Silica, Crystalline Quartz (Respirable) 14808-60-7 < 0.1 %

WHMIS Classification: Class D, Div. 2, Sub A;
Class D, Div. 2, Sub B
Class E

Canadian Domestic Substance List: All chemicals are listed.

TRANSPORTATION

National Motor Freight Classification (NMFC): 42130 Sub: 2 Class: 50

Description: CEMENT, HYDRAULIC

Emergency Response Guide Page No.: NOT REGULATED

DOT Reportable Quantity: NOT REGULATED

Proper Shipping Name: NOT REGULATED - USE NMFC DESCRIPTION

Marine Pollutant: NL

P = Moderate

PP = Severe

WS = Water Sheen

NL = Not Listed

ND = Not Determined

The information herein is given in good faith. No warranty, expressed or implied, is given regarding the accuracy of these data or the results obtained from the use thereof. Consult ChemRex, Inc. for further information.