



001013

3735 GREEN ROAD
BEACHWOOD, OHIO 44122

MATERIAL SAFETY DATA SHEET

TELEPHONE: (216)292-5000

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

SECTION I

Order Code: 876024 309

Order Desc: CS TREMSEAL GP-WHITE (30 CTG/CS) 7/T WT 32#

Trade Name: IMPROVED TREMSEAL GP

Code Number: 876-021-309

Product Class: CAULKING

Additional Components: NONE

Prepared By: C.R. Bruno

Date: 19-Nov-1991

Replaces: N/A

DOT Proper Shipping Name: NOT REGULATED

DOT Hazard Class: N/A

TSCA Status: OK

DOT UN/NA Number: N/A

THIS MATERIAL SAFETY DATA SHEET (MSDS) APPLIES TO TREMSEAL GP WITH THE FOLLOWING CODE NUMBERS AND COLORS:

876-021 ALUMINUM STONE 876-022 BRONZE 876-023 LIMESTONE 876-024 WHITE

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL or COMMON NAME CAS Number (symbols explained below)	MAX. WT. %	EXPOSURE LIMITS	
		TWA	STEL
POLYURETHANE POLYMER N/A #	40	OSHA - ACGIH -	-
CALCIUM CARBONATE (LIMESTONE) 1317-65-3	15	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (tot dust, 5mg/M3 respirable) - (tot dust, no asbest, <1%SiO2)
CALCIUM SULFATE 7778-18-9	15	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (tot dust, 5mg/M3 respirable) - (tot dust, no asbest, <1%SiO2)
DIPROPYLENE GLYCOL DIBENZOATE 27138-31-4	15	OSHA - ACGIH -	-
CASTOR OIL, MODIFIED 8001-78-3	5	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (total nuisance dust) - (total nuisance dust)
KAOLIN (CLAY) 66402-68-4	5	OSHA 10 mg/M3 ACGIH 10 mg/M3	- (tot dust, 2mg/M3 respirable) - (tot dust, no asbest, <1%SiO2)
POLYAMINE N/A #	5	OSHA - ACGIH -	-
TITANIUM DIOXIDE 13463-67-7	5	OSHA 10 mg/M3 ACGIH 10 mg/M3	- (tot dust, no asbest, <1%SiO2)
IRON OXIDE 1309-37-1	2	OSHA 10 mg/M3 ACGIH 5 mg/M3	- (dust, fume as Fe) - (fume as Fe)
TOLUENE (METHYLBENZENE) 108-88-3 +	2	OSHA 100 ppm ACGIH 50 ppm	150 ppm - (skin)
STODDARD SOLVENT (MINERAL SPIRITS) 8052-41-3	2	OSHA 100 ppm ACGIH 100 ppm	-
WHITE MINERAL OIL 8042-47-5	2	OSHA 5 mg/M3 ACGIH 5 mg/M3	- (mist) 10 mg/M3 (mist)
DIISODECYL PHTHALATE 26761-40-0	2	OSHA - ACGIH -	-
CARBON BLACK 1333-86-4	1	OSHA 3.5 mg/M3 ACGIH 3.5 mg/M3	-
CRYSTALLINE SILICA (QUARTZ) 14808-60-7 *	0.15	OSHA 0.1 mg/M3 ACGIH 0.1 mg/M3	- (respirable dust) - (respirable dust)

- Specific chemical identity is being withheld as a trade secret.

165 50000882

8

010100

* - 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.

SECTION III - PHYSICAL DATA

Weight/Gallon: 10.6#	Vapor Pressure: N/A	Melting Point: N/A
Specific Gravity: 1.28	Vapor Density (Air = 1): >1	Boiling Point: N/A
pH (Aqueous): N/A	Solubility in Water: Negligible	Softening Point: N/A
% Volatile By Wt: Max. 5	Evaporation Rate (ETHER=1): >1	Freezing Point: N/A
Physical State: PASTE	Odor: SLIGHT	Color: SEE SECTION I

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (F): N/A Method: N/A
LEL (Lower Explosion Limit): Not Established UEL (Upper Explosion Limit): Not Established
Auto-ignition Temperature: Not Established Decomposition Temperature: Not Established
If water fog is ineffective, use carbon dioxide, dry chemical or foam.
UNUSUAL PRODUCTS OF IGNITION:
Hydrocyanic acid can form.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Never use welding or cutting torch on or near container (even empty). Product, residue or vapor may ignite. See section IX for additional precautions.
SPECIAL FIREFIGHTING PROCEDURES:
During a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

EYE CONTACT -
Can cause irritation.
SKIN CONTACT -
Can cause irritation.
SKIN ABSORPTION -
N/A
INHALATION -
Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.
INGESTION -
Can cause gastrointestinal irritation.

EMERGENCY AND FIRST AID:

IF ON 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.
IF IN EYES -
Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.
IF INGESTED -
Get medical attention immediately.
IF INHALED -
Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
Exposure to toluene can aggravate preexisting eye, skin and respiratory disorders and anemia.
POTENTIAL EFFECTS OF LONG-TERM OR CHRONIC EXPOSURE:
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 overexposure 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.
OTHER HEALTH HAZARD DATA:
Prolonged and repeated overexposure to toluene caused liver and kidney damage in laboratory animals. Based on animal experiments, toluene may be a cardiac sensitizer and may cause birth defects or other reproductive abnormalities. Overexposure to mineral spirits can adversely affect the lung, CNS or cardiac system. Prolonged and repeated exposure caused kidney damage in male rats.

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION:
Hazardous polymerization will not occur.
STABILITY:
Stable

INCOMPATIBILITY:

Avoid contact with strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

CLEAN-UP:

Remove sources of ignition immediately. Ventilate to reduce the airborne contaminant concentration below the exposure limit in Section II of the MSDS. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

WASTE DISPOSAL METHOD:

Not regulated by RCRA. Dispose of in compliance with state and local regulations.

EPA HAZARDOUS WASTE NUMBER: N/A

EPA REPORTABLE QUANTITY: N/A

NATIONAL EMERGENCY RESPONSE CENTER: 800-424-8802 OR 202-426-2675

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

VENTILATION:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit in Section II of the MSDS.

RESPIRATORY PROTECTION:

Wear NIOSH/MSHA approved respirator as directed by the manufacturer when the airborne contaminant level(s) exceed the exposure limits indicated in Section II.

SKIN PROTECTION:

Protect hands with impervious rubber gloves. Prevent contact with skin. Gloves must be checked before each use for signs of degradation and penetration and for proper functioning.

EYE PROTECTION:

Wear suitable safety eyewear.

FACE PROTECTION:

Not required.

OTHER PROTECTIVE EQUIPMENT:

Typical full cover clothing.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

STORAGE, HANDLING AND APPLICATION:

Store under normal warehouse conditions below 80F. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Precautions also apply to emptied containers.

PRECAUTIONS FOR REPAIR AND MAINTANENCE OF CONTAMINATED EQUIPMENT:

Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

OTHER:

Change soiled workclothes frequently. Clean hands thoroughly after handling.

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 AND VERIFICATION OF COMPLIANCE WITH APPLICABLE REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE CONDITION.

CODE NUMBER: 876-021-309

MSDS ISSUE DATE: 19-Nov-1991