### **MATERIAL SAFETY DATA SHEET**

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24 Hour Emergency Phone: 800.424.9300 (202-483-7616) CHEMTREC

### 1. PRODUCT NAME:

CCS<sup>™</sup> Grout, Control Joint, Part B Chemical Family: Polyamines

### 2. HAZARDOUS INGREDIENTS

NAME	CAS No.	TLV	STEL	PEL	CONTENT
Dinonyl Phenol (DNP)	1323-65-5	none	none	none	72-78%
Amino Ethyl Piperazine (AEP)	140-31-8	none	none	none	20-30%
Diethylenetriamine (DETA)	111-40-0	1ppm	none	1ppm	1-2%

reference section 7, Health Hazard Data for LD (50)

### 3. PHYSICAL DATA:

316 C	Water/Oil	N/D
(DNP)	Distribution	
	Coefficient:	
negligible	Solubility in Water:	30%
N/D	Specific Gravity:	0.95
N/D	pH:	alkaline
	'	
Heavier	Evaporation	N/D
than air	Rate:	
N/D	Odor	Ammoniacal
Amber liquid		
	negligible N/D N/D Heavier than air N/D	(DNP)  Distribution Coefficient:  Negligible N/D Specific Gravity: N/D  PH:  Heavier than air N/D  Distribution Coefficient: Solubility in Water: Specific Gravity: pH:  Evaporation Rate: N/D  Odor

N/D = Not Determined

### 4. FIRE AND EXPLOSION HAZARD DATA:

HMIS Flammability Rating:	1 - (Slight Haz	ard)	
Flash Point:	99 C (210 F) PMCC		
Auto Ignition Temperature:	N/D		
Limits of Flammability:	LEL: 1.8% @ 140 C	UEL: N/D	
EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL & WATER FOG			
SPECIAL FIRE & UNUSUAL HAZARDS: Self-contained respirator equipment and full protective clothing are required when smoke and fumes are generated. Electrical grounding is not recommended.			

## **5. REACTIVITY DATA:**

LIMIC Desertions	- Datings	4 (Climb4 Harrand)
HMIS Reactivity	v Kating:	1 - (Slight Hazard)

STABILITY: Stable. This product must be mixed with another component to react. Mix and use in accordance with directions for safety. Not sensitive to mechanical impact.

INCOMPATIBILITY: Strong oxidizing agents, acids, epoxy resins, isocyanates and organic peroxides may result in violent explosive reactions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and dioxide, nitrogen oxides, aldehydes and various hydrocarbons from incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

## 6. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS AND LEAKS: Ventilate area. Wear appropriate protective gear. Contain leak/spill. Clean up residue with absorbent material. Wash down area with water and diluted acetic acid.

WASTE DISPOSAL METHOD: Handle disposal of waste material in manner which complies with local, state, province, and federal regulations. Landfill if solidified or incinerate at agency approved waste-disposal facility.

### 7. HEALTH HAZARD DATA:

HMIS	Health Rating:	2 - (Moderate Hazard)
Primary Route Of Entry:		Dermal, eyes, ingestion.
	Effects of Ove	erexposure:
Inhalation:	possible for vapors to disagreeable. This mate	lity. At higher temperatures it is be generated; the vapors are very erial may result in irritation of throat, e reaction or sensitization in some
Eyes:		vere burns. At higher temperatures vere, irritation, redness, tearing or njury is possible.
Skin Contact:	burn. Prolonged or repe	nay cause moderate irritation to mild eated exposure may cause a severe n allergic reaction or sensitization duals.
Skin Absorption	(AEP) and (DETA) m moderately toxic amoun LD (50) CAS 140-31-8 LD (50) CAS 111-40-0	880 mg/kg (rabbit)
Ingestion:		2140 mg/kg (rat)
Chronic:	None known.	

### 8: FIRST AID:

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Eyes:	Flush eyes with water and/or 1% boric acid, lifting upper and lower lids occasionally for 30 minutes. Seek prompt medical attention.
Skin:	Wash with soap and water for at least 15 minutes. Remove contaminated clothing and wash before re-use. Destroy contaminated leather. Seek medical attention if irritation persists.
Ingestion:	Do not induce vomiting. Give large quantities of water or vinegar diluted with 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.
Inhalation:	Remove victim from exposure. If difficulty with breathing; administer oxygen and seek immediate medical assistance.

# 9. SPECIAL PROTECTION INFORMATION:

HMIS Perso	nal Protection Rating: C (Safety Glasses, Gloves, Apron)	
Ventilation :	Ventilation at normal room temperature is a means of controlling vapor properly. If material is above 140 F, a positive pressure breathing apparatus is recommended.	
Personal Protection:	Use chemical goggles. Selection of specific items such as gloves, boots and apron will depend on the operation. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH approved respirators for listed hazard. Confined spaces, rooms or tanks are areas where concern for TLV's is especially important. Reference CFR 29 1910.134 for recommended respiratory protection.	

### **10. ADDITIONAL INFORMATION:**

DOT Proper Shipping Name:	N-Aminoethylpiperazine mixture	
DOT Hazard Class or Division:	8	
Identification Number:	UN 2815	
Packing group:	III	
Labels Required:	CORROSIVE	
WHMIS Classification:	Class D, Div, 2, Sub. A; Class E.	
WHMIS Labeling:	Test tube, hand., Stylized T	
Shelf life:	Indefinite.	
Special Keep containers tightly sealed. Store in dry and cool Instructions area. Avoid freezing conditions.		

The information given herein is given in good faith. No warranty, expressed or implied, is made regarding the accuracy of these data or the results obtained from the use thereof. All materials may present unknown health hazards and must be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Consult ChemCo Systems Inc. for further information.

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