MATERIAL SAFETY DATA SHEET

Product No.: CLS773B SECTION I -XVI

SECTION I - PRODUCT & COMPANY IDENTIFICATION

CLS 773 HIGH STRENGTH TROWEL GRADE EPOXY PART B
MANUFACTURER: C.L. SMITH INDUSTRIAL PHONE NO.: 800-764-0080
2972 Arnold Tenbrook Rd.
Arnold MO, 63010
EMERGENCY PHONE NUMBER: (800)-535-5053(Infotrac) MSDS ISSUE DATE: 08/17/09

SECTION II - INGREDIENTS/HAZARD INFORMATION

CRYSTALLINE SILICA
* CAS No.: 14808-60-7 Percent By Weight: 45 To 50 LEL: NA UEL:
OSHA PEL: NA ppm 0.098 mg/M3 TWA ACGIH TLV: NA ppm 0.05 mg/M3 TWA
LD50: NA LC50: NA V.P.(1) NA
Listed On(2) a: N b: N c: N d: Y e: Y f: Y g: Y h: N
RESPIRABLE DUST CAN CAUSE SILICOSIS, CANCER, AUTOIMMUNE DISEASES
POLYAMIDOAMINE
* CAS No.: 68605-86-7 Percent By Weight: 20 To 25 LEL: NA UEL: NA
OSHA PEL: NE ppm NE mg/M3 TWA ACGIH TLV: NE ppm NE mg/M3 TWA
LD50: >1250 MG/KG ORAL LC50: >700 PPM/1 HR V.P.(1) 7.5
Listed On(2) a: N b: N c: N d: Y e: N f: N g: N h: N
LD50 DERMAL >2000 MG/KG CORROSIVE TO SKIN
CALCIUM METASILICATE
* CAS No.: 13983-17-0 Percent By Weight: 10 To 15 LEL: NA UEL: NA
OSHA PEL: ppm 5 mg/M3 TWA ACGIH TLV: ppm 3 mg/M3 TWA
LD50: NA LC50: NA V.P.(1)
Listed On(2) a: N b: N c: N d: Y e: N f: N g: N h: N

DIETHYLANILINE
* CAS No.: 91-66-7 Percent By Weight: 1 To 5 LEL: NA UEL: NA
OSHA PEL: NE ppm NE mg/M3 TWA ACGIH TLV: NE ppm NE mg/M3 TWA
LD50: NA LC50: NA V.P.(1)
Listed On(2) a: N b: N c: Y d: Y e: N f: N g: N h: N
CERCLA RQ1000LBS, NEW JERSEY AND PENN LABEL LAW
AMORPHOUS SILICA
* CAS No.: 112926-00-8 Percent By Weight: 1 To 5 LEL: NA UEL: NA
OSHA PEL: NA ppm 6 mg/M3 TWA ACGIH TLV: NA ppm 10 mg/M3 TWA
LD50: NA LC50: NA V.P.(1) NA
Listed On(2) a: N b: N c: N d: Y e: N f: N g: N h: N
Contains no crystalline silica.
TRIETHYLENETETRAMINE
* CAS No.: 112-24-3 Percent By Weight: 1 To 5 LEL: NA UEL:
OSHA PEL: NA ppm NA mg/M3 TWA ACGIH TLV: NA ppm NA mg/M3 TWA
LD50: LC50: V.P.(1) <.001@68
Listed On(2) a: N b: N c: N d: Y e: N f: N g: N h: N
Can cause skin and eye burns.
DIETHYLENETRIAMINE
* CAS No.: 111-40-0 Percent By Weight: 1 To 5 LEL: NA UEL: NA
OSHA PEL: NE ppm NE mg/M3 TWA ACGIH TLV: NE ppm NE mg/M3 TWA
LD50: 1000 mg/kg skin LC50: NA V.P.(1) .9
Listed On(2) a: N b: N c: N d: Y e: N f: N g: N h: N
LD50 2330 mg/kg oral
BISPHENOL A

MATERIAL SAFETY DATA SHEET
Product No.: CLS773B SECTION I -XVI

SECTION II - INGREDIENTS/HAZARD INFORMATION Con't.

* CAS No.: 80-05-7 Percent By Weight: 1 To 5 LEL: NE UEL: NE
OSHA PEL: NE ppm NE mg/M3 TWA ACGIH TLV: NE ppm NE mg/M3 TWA
LD50: NE LC50: NE V.P.(1) .9
Listed On(2) a: N b: Y c: N d: Y e: N f: N g: Y h: N

* Defined as hazardous per 29 CFR 1910.1200 ** Indicates Active Ingredient
(1) Vapor Pressure In mm Hg
(2) a = SARA 302/304 b = SARA 313 c = CERCLA 103(a) d = TSCA e = NTP Carcinogen f = IARC Carcinogen
g = California Prop. 65 h = OSHA Carcinogen
NOTE: Multi-component products when mixed will have the cumulative hazards of all components.

SECTION III - HAZARD IDENTIFICATION

EFFECTS OF OVEREXPOSURE - ACUTE:
Breathing: Irritation of the respiratory tract; headache, nausea, dizziness.
Eye or Skin Contact: May cause eye and skin irritation.

Swallowing: No effect anticipated from ingestion incidental to normal use. Larger quantities may cause distress of the digestive tract and nausea.
CHRONIC: Crystalline silica has been classified as carcinogenic for humans (2A) by IARC. The excessive inhalation of crystalline silica is also a known cause of silicosis. (Risk depends on duration and level of exposure.) Other possible chronic effects are silicosis, cancer, scleroderma and tuberculosis. The main route of entry is inhalation of crystalline silica. Dry silica powder should be handled with great care. When the silica is mixed and wetted by the other components the risk of inhalation is greatly reduced.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: If you are allergic or have been sensitized to: epoxies, amines, isocyanates, detergents, or other chemicals see a physician prior to use. Some individuals may require protective creams if they are sensitive to chemicals. If none of these conditions exist and you use the product in accordance with the Safe Handling and Use Information (Sections VII and VIII) you should expect no mild medical conditions to be aggravated. However if the worker is exposed for an extended period the repeated washing of skin areas with soap and water or other cleaning solutions can remove a large part of the natural protective oils in the skin and require the worker to use a protective cream after each washing to replace the oils removed by washing.
ROUTE(S) OF ENTRY: (X)SKIN (X)BREATHING (X)SWALLOWING

SECTION IV - FIRST AID MEASURES

IF BREATHED: Remove to fresh air.
IF IN EYES: In case of eye contact, flush with large amounts of water for at least 15 minutes. Get medical assistance.
IF ON SKIN: Remove with soap and water. Remove soiled clothing.

IF SWALLOWED: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult physician immediately. Treat symptomatically. Never give anything by mouth to an unconscious person.

SECTION V - FIRE FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: FLASH POINT: 250 °F Setaflash
OSHA 29 CFR - 1910.106(a)
Parts 18-19

Combustible Liquid - Class III(B) Not Regulated (FHSA)
EXTINGUISHING MEDIA: In case of fire, use CO_2, Dry Chemical, Foam or other National Fire Protection Association (NFPA) approved method for treating a Class B Fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Due to pressure build-up, closed containers exposed to extreme heat may explode. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

SECTION V - FIRE FIGHTING MEASURES Con't.

Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES: Summon professional firefighters. Use full protective equipment including self-contained breathing apparatus. Water spray may be ineffective. If water is used, fog nozzles are preferable. If exposed to fire or extreme heat, water should be used to cool closed containers and prevent pressure build-up or possible auto-ignition.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Wash with water. Before attempting clean-up, refer to hazard caution information in other sections of this material safety data form. Contain spilled material and remove with inert absorbent. Store in closed container until properly disposed of.

SECTION VII - HANDLING AND STORAGE

Store below 110°F and keep from freezing. Keep container closed when not in use. Do not reuse empty containers.
Keep out of reach of children.

SECTION VIII - PERSONAL PROTECTION

RESPIRATORY PROTECTION: All workers and bystanders must be protected from exposure above Section II limits. Avoid breathing vapors, spray mist or sanding dust. Application by brush, roller, squeegee, or trowel will result in the lowest release of hazardous materials. When spray applied in outdoor or open areas with unrestricted ventilation, and during sanding or grinding operations, use NIOSH/MSHA approved mechanical filter respirator to remove solid airborne particles of over spray or sanding dust. Follow the crystalline silica respiratory protection paragraph when silica is present. When used in confined areas, wear NIOSH/MSHA approved air supply respirators or hoods. Use NIOSH/MSHA approved respirators when flame cutting, welding, brazing and sanding material coated with this product. The fumes from these operations can be hazardous. Do not breath them. Always use adequate ventilation. Whenever using respirators refer to OSHA 1910.134 for proper respirator use and safety program. The applicator determines the type of area in which the application is being made (unrestricted, restricted, or confined). The best determination of respirator type to use in a particular application is to monitor for the hazardous materials during actual application. The applicator should contact a qualified safety engineer for proper selection of safety equipment based on the application conditions.

CRYSTALLINE SILICA RESPIRATORY PROTECTION. This product contains SILICA. Use a NIOSH approved air purifying or supplied-air-respirator where airborne concentrations of crystalline silica (quartz) are expected to exceed exposure limits. (see table below). Appropriate respiratory protection for respirable crystalline silica is based on the airborne exposure concentration and duration of exposure for the particular use of the respirator. A respiratory protection program in accordance with OSHA standard 28CFR 1910.134 must be implemented whenever workplace conditions warrant use of a respirator ANSI Standard Z88.2 (recent revision) "American National Standard for Respiratory Protection" should also be considered. All tight-fitting respirators must be fit-tested either qualitatively or quantitatively for each respirator user. NIOSH recommends the use of respiratory protection when effective engineering controls are not feasible, or while they are being installed to control workplace exposures to crystalline silica.

Airborne Silica
Concentration Minimum Respiratory Protection
Up to 0.5mg/m3 Any air-purifying respirator with a high efficiency (HEPA) filter.
Up to 1.25mg/m3 Any powered air-purifying full-face respirator with a HEPA filter
Or any supplied-air-respirator operated in continuous flow mode.
Up to 2.5mg/m3 Any powered air-purifying full-face respirator with a HEPA filter
Or any powered air-purifying-respirator with a tight fitting face piece and a HEPA filter.
Up to 25mg/m3 Any supplied-air-respirator operated in a pressure-demand or other positive pressure mode.
Emergency Up to 500mg/m3 Any self contained breathing apparatus with a full-face piece and is operated in pressure-demand mode or other positive pressure mode.

SECTION VIII - PERSONAL PROTECTION Con't.

PROTECTIVE GLOVES: Do not get on skin. Solvent impermeable gloves to prevent contact are recommended.
EYE PROTECTION: Do not get in eyes. Solvent resistant safety eyewear with splash guards or side shields is recommended to prevent contact.

OTHER PROTECTIVE EQUIPMENT: Do not get on skin. Solvent impermeable clothing and boots to prevent contact are recommended.
HYGIENIC PRACTICES: Remove and wash soiled clothing before reuse. It is very important to use clean clothing in areas where chaffing can occur. Like the neck and collar area and the wrist area. Wash hands before eating, smoking or using the washroom. Remove any contaminated clothing and clean before reuse. Shoes and boots if contaminated must be replaced. Note that the washing of exposed areas on a regular and frequent basis can cause that area to become sensitive. The daily and frequent use of a protective cream in sensitive areas is recommended.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

WATER SOLUBILITY: Dilutable.
ODOR: Mild, characteristic of solvents listed in SECTION II.
WEIGHT PER GALLON:13.76 Pounds PERCENT VOLATILE BY VOLUME: 0.00
EVAPORATION RATE:( )Faster (X) Slower Than Ether BOILING RANGE: NA
VAPOR DENSITY:(X)Heavier ( )Lighter Than Air -

SECTION X - STABILITY AND REACTIVITY

STABILITY:( )UNSTABLE (X)STABLE
INCOMPATIBILITY: Avoid contact with materials that are incompatible with water.
HAZARDOUS DECOMPOSITION PRODUCTS: May cause hazardous fumes when heated to decomposition or from mixed material that is kept in 1/2 gallon or larger mass longer than the pot life. The following represents a partial list: (from burning, heating, or reaction with other materials). Nitrogen oxide can react with water vapors to form corrosive nitric acid (TLV=2 ppm). Carbon Monoxide in a fire. Carbon Dioxide in a fire. Ammonia when heated. Nitrogen Oxides in a fire. Irritating and toxic fumes at elevated temperatures. Nitric acid in a fire. nitrosamines. Aldehydes. The oxides of nitrogen gases (except nitrous oxide) emitted on decomposition are highly toxic. An other unidentified phenolic and organic compounds and oxides of metals listed in Section II. Treat all of these fumes as hazardous and DO NOT BREATH.
HAZARDOUS POLYMERIZATION:( )MAY OCCUR (X)WILL NOT OCCUR.
MIXED PRODUCT SHOULD NOT BE KEPT IN QUANITIES GREATER THAN 3 LBS WEIGHT (approx. 1 QUART VOLUME LONGER THAN 25 TO 35 MINUTES. The product reacts quickly when in large mixed masses and develops heat quickly. It is possible for the mass to reach decomposition temperatures and give off dangerous gasses. ALWAYS pour the material out in thin thickness (1/4 inch or less) to avoid the mass reaction exotherm.

SECTION XI - TOXICOLOGICAL INFORMATION

No information available.

SECTION XII - ECOLOGICAL INFORMATION

No information available.

MATERIAL SAFETY DATA SHEET
Product No.: CLS773B SECTION I -XVI

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations. Incinerate only in approved facility. Do not incinerate closed containers.

SECTION XIV - TRANSPORTATION INFORMATION

DOT CLASS: PAINT,8,UN3066,PGIII

SECTION XV - REGULATORY INFORMATION

This product contains 0.00 pounds per gallon (0 grams/liter) volatile organic compounds. The VOC less water and exempt solvents is 0.00 lbs./gal. (0 gms./L.)

This product may contain chemicals as contaminants which are known to the state of California to cause cancer, birth defects or other reproductive harm. This product contains a chemical known to the state of California to cause cancer.

SECTION XVI - OTHER INFORMATION

HMIS RATING: (H)ealth 2* (F)lammability 1 (R)eactivity 0

The information contained herein is based on data believed by C. L. SMITH INDUSTRIAL to be accurate, but we do not assume any liability for the accuracy of this information. We neither suggest nor guarantee that any hazards mentioned are the only ones which exist. Anyone intending to rely on any recommendation or to use any equipment, technique or material mentioned should also satisfy himself that he can meet all applicable safety and health standards.