

**SAFETY DATA SHEET**

**SECTION 1: IDENTIFICATION**

**PRODUCT NAME: CIPADITE® E-500 AGGREGATE**

MANUFACTURER/SUPPLIER: ..... CPD Construction Products  
 219 Connie Crescent, Unit #13  
 Concord, Ontario Canada L4K 1L4

24 HOUR EMERGENCY NUMBER: ..... CANUTEC: (613) 996-6666

PRODUCT IDENTIFIER: ..... CIPADITE® E-500 Aggregate (Special Note): CIPADITE® E-500 is a three component product. This SDS is only for the aggregate component. See separate SDS's for the resin component and hardener component. This product has 3 Safety Data Sheets.

APPLICATION AND USE: ..... High strength grout for base plates, anchor bolts, columns etc., where either very high strengths and/or chemical resistance are required.

PRODUCT DESCRIPTION: ..... Silica filled thermosetting Epoxy Compound. This component is the Silica Aggregate Component only.

**SECTION 2: HAZARDS IDENTIFICATION**

GHS CLASSIFICATION: ..... Carcinogenicity 1A (Inhalation); Specific target organ toxicity- Repeated exposure 1, Lungs



SIGNAL WORD: ..... **DANGER**

HAZARD STATEMENTS: ..... H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H350 May cause cancer by inhalation  
 H372 Causes damage to organs (Lung) through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS:

PREVENTION ..... P260 Do not breath dust  
 P264 Wash hands thoroughly after handling  
 P270 Do not eat, drink or smoke when using this product  
 P281 Use personal protective equipment as required  
 P284 In case of inadequate ventilation, wear respiratory protection

RESPONSE ..... P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P304+P340 IF INHALLED: Remove person to fresh air and keep comfortable for breathing  
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P308+P313 If exposed or concerned: Get medical advice/ attention

OTHER HAZARDS: ..... Not available.

UNKNOWN ACUTE TOXICITY: ..... Not available.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	%	C.A.S. #	LD/50, Route, Species	LC/50, Route, Species
Silica Sand ** Quartz	60-100	14808-60-7	Not Available	Not Available

\*\* The sand used in this product contains Quartz. The Quartz that exists as particles with Aerodynamic Diameter less than 5 microns is hazardous. An approved dust mask (for Crystalline Silica) should be worn by workers when handling this product in the dry state.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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**SECTION 4 : FIRST-AID MEASURES**

**FIRST-AID MEASURES**

EYE CONTACT .....	Remove contact lenses if present and easy to do so. Rinse with plenty of water, keeping the eyelids wide open.
SKIN CONTACT .....	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.
INHALATION .....	Move to fresh air. Consult a physician after significant exposure.
INGESTION .....	Immediately clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Do not give milk or other alcoholic beverages. Never give anything by mouth to an unconscious person.
SYMPTOMS AND EFFECTS, ACUTE OR DELAYED .....	Carcinogenic effects. May cause cancer by inhalation. Causes damage to organs (Lung) through prolonged or repeated exposure.
NOTE TO THE PHYSICIAN .....	Present this material safety data sheet to the doctor in attendance. Treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES**

SUITABLE EXTINGUISHING MEDIA .....	This product will not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
UNSUITABLE EXTINGUISHING MEDIA .....	No available information.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE .....	Not applicable
FLAMMABILITY CLASSIFICATION .....	Not flammable.
HAZARDOUS COMBUSTION PRODUCTS .....	None.
FIRE-FIGHTERS PROTECTIVE EQUIPMENT ...	In the event of fire, wear self-contained breathing apparatus.
SPECIAL FIRE FIGHTING PROCEDURE .....	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES .....	Use personal protective equipment. Avoid breathing dust. Deny access to unprotected persons.
ENVIRONMENTAL PRECAUTIONS .....	Do not flush into surface water or sanitary sewer system. For significant spillages advise local authorities.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP .....	Pick-up and arrange disposal without creating dust. Keep in suitable, closed containers for proper disposal.

**SECTION 7: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING .....	Avoid formation of respirable particles. Avoid exceeding the given occupational exposure limits as listed in Section 8. Do not get in eyes, on skin or on clothing. For personal protection refer to Section 8. Smoking, eating and drinking should be prohibited in the application area.
CONDITIONS FOR SAFE STORAGE .....	Product should be stored off the ground. May be stored outside or inside under tarp. Do not allow bags of aggregate to get wet. Aggregate cannot be used if wet.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

EXPOSURE LIMITS (respirable fraction in air):	
SILICA SAND (QUARTZ) .....	OSHA & MSHA-PEL 10 mg/m <sup>3</sup> (8-hour TWA) ACGIH-TLV 0.05 mg/m <sup>3</sup> (8-hour TWA) NIOSH 0.05 mg/m <sup>3</sup> (10-hour TWA, 40 h work week)

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<b>EXPOSURE CONTROLS:</b>	
VENTILATION/ ENGINEERING MEASURES ...	Provide adequate ventilation sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust or fumes, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
RESPIRATORY PROTECTION .....	If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air.
SKIN PROTECTION .....	Wear adequate protective gloves/ clothing impervious to the material.
EYE/ FACE PROTECTION .....	Wear eye/ face protection. Safety goggles with side shields are recommended.
OTHER PROTECTIVE EQUIPMENT .....	An eyewash station and safety shower should be available in the immediate working area. Other equipment may be required depending on each workplace.
GENERAL HYGIENE CONSIDERATIONS ....	Do not eat, drink or smoke while working with this product. Do not breath dust or mist. Avoid contact with eyes, skin and clothing. Upon completion of work or prior to work breaks, wash hands thorough. Remove and wash contaminated clothing before re-use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE .....	Light Grey Granular Sand Aggregate
ODOUR .....	None
ODOUR THRESHOLD .....	Not available
pH LEVEL .....	Not available
MELTING/ FREEZING POINT .....	Not available
BOILING POINT .....	Not available
FLASH POINT .....	Not applicable
EVAPORATION RATE .....	Not applicable
FLAMMABILITY .....	Not applicable
VAPOUR PRESSURE .....	Not available
VAPOUR DENSITY (Air=1) (mg/m3) .....	Not available
SPECIFIC GRAVITY @ 20°C (68°F) .....	2.2 grams/mL
VISCOSITY .....	Not available
VOLATILES (% by WEIGHT) .....	Not available
VOC's (Volatile Organic Compounds) .....	0 grams/L
SOLUBILITY IN WATER (%W/W) .....	Insoluble

**SECTION 10: STABILITY AND REACTIVITY**

REACTIVITY .....	Non-reactive material.
CHEMICAL STABILITY .....	The product is chemically stable.
HAZARDOUS REACTIONS .....	Hazardous polymerization does not occur.
CONDITIONS TO AVOID .....	Avoid high humidity or wet conditions.
INCOMPATIBLE MATERIALS .....	No information available.
HAZARDOUS DECOMPOSITION PRODUCTS	None.

**SECTION 11: TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY .....	Not classified based on available information.
MUTAGENICITY .....	Not expected to be mutagenic.
CARCINOGENICITY .....	Crystalline Silica is classified by IARC as 2A-possibly carcinogenic to humans.
REPRODUCTIVE EFFECTS .....	Not classified based on available information.
SENSITIZATION TO MATERIAL .....	Skin sensitization: Not classified based on available information. Respiratory sensitization: Not classified based on available information.
SPECIFIC TARGET ORGAN EFFECTS .....	Repeated Exposure: Causes damage to organs (Lungs) through prolonged or repeated exposure. Prolonged exposure can cause silicosis.
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE .....	Pre-existing asthma.
SYNERGISTIC MATERIALS .....	None known.
TOXICOLOGICAL DATA .....	There is no data available for this product.

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**SECTION 12: ECOLOGICAL INFORMATION**

ECOTOXICITY .....	No data is available for the product itself. Do not empty into drains.
PERSISTANCE AND DEGRADABILITY .....	No data is available.
BIOACCUMULATION POTENTIAL .....	No data is available.
MOBILITY IN SOIL .....	No data is available.
OTHER ADVERSE ENVIRONMENTAL EFFECTS .....	No adverse environmental effects.

**SECTION 13: DISPOSAL CONSIDERATIONS**

HANDLING FOR DISPOSAL .....	No special requirements. Handle in accordance with good industrial hygiene and safety practice.
METHODS OF DISPOSAL .....	Dispose of as normal garbage or in accordance with all applicable federal, state, provincial and local regulations.

**SECTION 14: TRANSPORTATION INFORMATION**

TDG CLASSIFICATION .....	Not regulated.
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**SECTION 15: REGULATORY INFORMATION**

TSCA INFORMATION .....	All ingredients listed in the composition of this product are either listed on the TSCA inventory or are in compliance with a TSCA inventory exemption.
WHMIS CLASSIFICATION .....	Class D-Division 2, Subdivision A
CPR (CANADA) COMPLIANCE .....	Meets all requirements

**SECTION 16: OTHER INFORMATION**

ACGIH .....	American Confederation of Governmental Industrial Hygienists
AIHA .....	American Industrial Hygiene Association
CAS .....	Chemical Abstract Services
CEPA .....	Canadian Environmental Protection Act
CFR .....	Code of Federal Regulations
DOT .....	Department of Transportation
IARC.....	International Agency for Research on Cancer
IATA .....	International Air Transport Association
NIOSH .....	National Institute of Occupational Safety and Health
NTP.....	National Toxicology Program
PEL .....	Permissible Exposure Limit
STEL .....	Short Term Exposure Limit
TWA .....	Time-Weighted Average
TSCA .....	Toxic Substances Control Act
OSHA .....	Occupational Safety and Health Administration
N/Av .....	Not available

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PREPARATION DATE: .....	October 20 <sup>th</sup> , 2017

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.