SAFETY DATA SHEET

Date of issue: 2016-7-18 **Revision date: 2016-07-18**

Section 1: Identification

Product Name **CE500: 2 Part A&B 100% Solid Epoxy Clear [PART B]**
Recommended Use: For Professional Use Only.
Manufacturer: Classic Coatings Systems - 255 Citation Circle Corona, Ca. 92880
Telephone : 951-279-2600
Emergency Response Service: (800) 535-5053

Section 2: Hazard Identification

Emergency Overview: Danger. Corrosive. May cause skin burns resulting in permanent damage. Harmful if swallowed. May cause skin and lung sensitization. Causes damage to lungs, mouth, throat and stomach. May cause irritation of nose, throat, and lungs with cough, difficulty breathing or shortness of breath, or pulmonary edema (fluid in the lungs) with cough, wheezing, abnormal lung sounds, possibly progressing to shortness of breath and bluish discoloration of the skin. May cause lung sensitization, an allergic reaction, which becomes evident on re-exposure to this material. Toxic to aquatic life with long-lasting effects.

Component Information/Information on Non-Hazardous Components: No data available.
GHS Classification of the Substance or Mixture (29 CFR 1910.1200):

Acute Toxicity (Oral)	Category 4
Skin corrosion	Category 1B
Serious eye damage	Category 1
Skin sensitization	Sub-Category 1A
Acute aquatic toxicity	Category 3

GHS Hazards Pictograms:

Signal Word(s): Danger.
Hazard Statement(s):
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318 – Causes serious eye damage.
H332 – Harmful if inhaled
H360 - May damage fertility or the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure
H402 - Harmful to aquatic life

Precautionary Statement(s):

P201 – Obtain special instructions before use
P202 – Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264 - Wash skin thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 – Avoid release to the environment
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
P281 – Use personal protective equipment as required
P280 - Wear protective gloves and eye protection
P301 + P330 + P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Contact a POISON CENTER/Doctor.
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 – IF INHALED: Remove victim to fresh and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention
P391 – Collect spillage

Storage:

P403 + P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

Disposal:

P501 - Dispose of contents/container to an approved waste disposal plant in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None known.

Other Information: This material is classified as hazardous under OSHA regulations.

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Section 3: Composition/ Information on Ingredients

Substances

Chemical Name	Identifiers	% (by weight)	Comments
Isophorone Diamine	2855-13-2	≤ 100	See above.

Section 4: First-Aid Measures

Inhalation: Move victims into fresh air. Remove contaminated clothing immediately. If breathing is labored, administer oxygen. If not breathing, give artificial respiration. Consult a doctor immediately.
Skin contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Take victim immediately to hospital to obtain medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes before reuse. Consult a physician immediately if skin is irritated or reddened.
Eye contact: Rinse immediately with plenty of water for 15 minutes and seek advice of an eye specialist/physician. Continue rinsing eyes during transport to hospital. Do not remove contact lens if worn.
Ingestion: Rinse out mouth, spit out liquid. Do not induce vomiting and seek medical advice immediately. Never give anything by mouth to an unconscious person.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, alcohol-resistant foam, CO2, dry powder.
Unsuitable Extinguishing Media: High volume water jet.
Unusual Fire and Explosion Hazards: Firefighters should wear NFPA approved self-contained breathing apparatus and full protective clothing. Avoid contact with product. Decontaminate equipment and protective clothing prior to re-use. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
Hazardous Decomposition Products: On combustion, toxic gases, including ammonia, nitrogen oxides, carbon monoxide, carbon dioxide.
Advice to Fire Fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Toxic gases/fumes may be given off during burning or thermal decomposition. Keep people away from and up-wind of spill or leak.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Wear appropriate personal protective equipment. Evacuate surrounding areas and isolate the area. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Wear

appropriate respirator when ventilation is inadequate. Implement site emergency response plan.
Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform authorities if the product has caused environmental pollution (sewers, drains, waterways or soil).
Containment/Clean-up Measures: Cleanup personnel must use appropriate personal protective equipment. Evacuate and keep unnecessary personnel out of spill area. Remove all sources of ignition, including flames, heat, and sparks. Stop leak if without risk. Move containers from spill area. Dike or dam spilled material with non-combustible, absorbent material (e.g., sand, earth, vermiculite or diatomaceous earth) and control further spillage, where possible. Make certain the absorbent material soaks up all liquids.

Section 7: Handling and Storage

Handling: Do not breathe vapors or spray mist. Avoid contact with eyes or skin. Avoid contact with clothing. Use only with adequate ventilation and personal protection. Remove contaminated personal protective equipment (PPE), then wash hands and face thoroughly after handling and before eating and drinking. Keep container closed when not in use. Empty containers retain product residue and can be hazardous. Do not get in eyes, on skin or on clothing. Do not ingest. Keep away from heat, sparks, flames and other sources of ignition. Avoid release to the environment. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination with moisture is suspected. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep away from food products during use and storage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled, unapproved or reactive containers. Use appropriate containment to avoid environmental contamination. Personnel education and training in the safe use and handling of this product are required under OSHA Hazard Communication Standard 29 CFR 1910.1200.
Incompatible Materials or Ignition Sources: Stable under recommended storage conditions. Do not store together with oxidizing and acidic materials. Do not store together with caustic solutions and alkalis. Store away from food stuffs. Avoid water, air humidity, oxidizing agents, cotton waste or other combustible materials. Keep away from sources of ignition - No smoking. Additional guidance on fire and explosion protection may be found in various consensus standards, including NFPA 30, 69 and 77 and API 2003 as well as OSHA regulation 29CFR1910.106.

Section 8: Exposure Controls/ Personal Protection

Special Note for Exposure Control: Consult local authorities for further acceptable exposure limits.

	Exposure Limits/ Guidelines	
Chemical Name	**Result**	**ACGIH/OSHA**
Aliphatic Amine	STELs	No data available.
	TWAs	0.100000 mg/m3 (OSHA, ACGIH, NIOSH).

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products,

before eating and drinking, smoking or using the lavatory and at the end of the working period. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Keep away from foodstuffs, beverages and feed.

Personal Protective Equipment

Respiratory: In case of inadequate ventilation, wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use positive pressure supplied air respirator when airborne concentrations are not known, when airborne levels are 10 times the appropriate TLV, and when spraying is performed or product is applied by aerosol in a confined space or area with limited ventilation. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Contact health and safety professional or manufacturer for specific information.

Eye/Face: Use chemical resistant goggles. Chemical safety goggles in combination with a full face shield (8-inch minimum) must be used if a splash hazard exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Contact lenses should not be worn.

Hands: Use permeation resistant gloves such as neoprene or nitrile (Material thickness: 0.35 mm; Break-through time: >480 min; Method: GloSaDa) or butyl rubber (Material thickness: 0.5 mm; Break-through time: >480 min; Method: GloSaDa). The glove must be impermeable and resistant to the product/the substance/the preparation. Selection of the glove material does not only depend on the material, but also on its quality and varies from manufacturer to manufacturer. The resistance of the glove material and manufacture must be determined in advance of the application/use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin/Body: Wear rubber or plastic apron and permeation resistant clothing, chemical-resistant gloves, and long-sleeved shirts, and pants. Gloves must be inspected prior to use. Remove and wash contaminated clothing before re-use.

General Industrial Hygiene Considerations: Keep away from food and drink. Wash hands and face after use. Educate and train workers in the safe use and handling of this product. Emergency showers and eye wash stations should be available. Follow all label instructions.

Key to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygiene
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
MSHA = Mine Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day 40hr/week exposures
STEL = Short Term Exposure Limits are based on 15 minute exposures

Section 9: Physical and Chemical Properties

Information on Physical and Chemical Properties

Physical Form	Liquid.	**Appearance/Description**	Clear.
Color	Colorless	**Odor**	Minimal or no odor.
Boiling Point	Not available	**Bulk Density**	No data available.
Specific Gravity	1.02 ± 0.1	**UEL**	No data available.
Water Solubility	Soluble.	**LEL**	No data available.
Flash Point	>93°C (>199°F) TCC	**NVW**	100%

Section 10: Stability and Reactivity

Reactivity
No data available.
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: May react with catalysts, oxidizing agents, peroxides, strong alkali and other radical forming substances.
Conditions to Avoid: Avoid oxidizing agents.
Incompatible Materials: Strong bases, strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and nitrogen oxides.

Section 11: Toxicological Information

ACUTE TOXICITY

For aliphatic amine:
LD50 Oral Rat 1030 mg/kg (OCED Test Guideline 401)
LC50 Inhalation Rat 5.01 mg/l (4h) (OECD Test Guideline 403)
Other Information:
On the skin: Caustic effect on skin and mucous membranes.
On the eye: Strong caustic effect. Risk of serious damage to eyes. (OECD Test Guideline 405)
Sensitization:
Sensitization possible through skin contact. Probability of high skin sensitization rate in humans. Sensitizing effect through inhalation is possible by prolonged and repeated exposure.

CARCINOGENICITY
This product does not contains a component that is classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification:
IARC, NTP, and OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen. Long-term animal study: no data available.
MUTAGENICITY: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal Testing did not show any mutagenic effects.
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: No data available.
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: No data available.
ASPIRATION HAZARD: No data available.
ADDITIONAL INFORMATION: RTECS: WH7000000.
TO THE BEST OF OUR KNOWLEDGE THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES OF THIS PRODUCT HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Section 12: Ecological Information

Toxicity
This product is harmful to the environment. Very toxic to fish and other aquatic life with long-lasting effects.
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Persistence and degradability:	According to the results of tests of biodegradability, this product is partly biodegradable.
Bioaccumulative potential:	Although the product is partly biodegradable, significant residuals remain
Other adverse effects:	No data available.

Section 13: Disposal Considerations

Waste Treatment Methods: Dispose in accordance with Federal, State, and Local laws and regulations.
The generation of waste should be avoided or minimized wherever possible. Offer surplus and non-recyclable

solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty Container Precautions: Dispose of as unused product. Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental laws and regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

Section 14: Transport Information

	UN Number	UN Proper Shipping Name	Transport Hazard Class(es)	Packing Group	Environmental/ Special Hazards
DOT	2289	Isophoronediamine	8	III	No special precautions.
IMO/IMDG	2289	Isophoronediamine	8	III	EmS: F-A, S-B
IATA/ICAO	2289	Isophoronediamine	8	III	IATA-C: ERG-Code 8L IATA-P: ERG-Code 8L

Section 15: Regulatory Information

State Right to Know

Component	CAS	MA	NJ	PA
None known.	-	-	-	-

Inventory

Component	CAS	Canada DSL	Canada NDSL	TSCA
Polyamine epoxy hardener Listed: Australia (AICS), Japan (MITI), Korea (KECI), Philippines (PICCS), China, New Zealand, and Taiwan.	-	**Listed**	**-**	**Listed**

HMIS Rating: 3 1 0
NFPA Rating: 3 1 0
This product is in compliance with the inventory listing of the following countries:

Australia (AICS)	listed/registered
Japan (MITI)	listed/registered
Korea (KECI)	listed/registered
Philippines (PICCS)	listed/registered
China	listed/registered
New Zealand	listed/registered

US Federal Regulations

U.S. – CERCLA/SARA – Hazardous Substances and their Reportable Quantities: None
U.S. – SARA – Section 311/312 Hazard Categories: None
U.S. – CERCLA/SARA – Section 302 Extremely Hazardous Substances TPQs: None
U.S. – CERCLA/SARA – Section 313 – Emissions Reporting: None
U.S. – CERCLA/SARA – Section 313 – PBT Chemical Listing: None
U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components: None
U.S. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 372.65) Supplier Notification Required Components: None
U.S. Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261): Under RCRA it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Regulations

United States – California
U.S. – California – Proposition 65 – Carcinogens List: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.).
U.S. – California – Proposition 65 – Developmental Toxicity: None
U.S. – California – Proposition 65 – Maximum Allowable Dose Levels (MADL): None
U.S. – California – Proposition 65 – No Significant Risk Levels (NSRL): None
U.S. – California – Proposition 65 – Reproductive Toxicity – Female: None
U.S. – California – Proposition 65 – Reproductive Toxicity – Male: None
Based on information provided by Classic Coatings Systems, this product is considered “DRC Conflict Free” as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716, File No. S7-40-10, Date 08-22-212).

Section 16: Other Information

Last Revision Date: DA
Preparation Date: 04/17/18
Disclaimer/ Statement of Liability:

This information is furnished without warranty, express or implied. This information is believed to be accurate to the best knowledge of Classic Coatings Systems. The information in this SDS relates only to the specific material designated herein. Classic Coatings Systems assumes no legal responsibility for use of or reliance upon the information in this SDS.

Key to Abbreviations
NDA = No data Available