Safety Data Sheet

Material Name: Part-B CeRam-Kote 2000 (Curing Agent)

* * * Section 1 - Product and Company Identification * * *

Manufacturer Information

CERAM-KOTE COATINGS INCORPORATED
1800 Industrial Drive
Big Spring, TX 79720

Phone: 432-263-8497

Emergency # ChemTel +1 (800) 255-3924 Contract #: MIS1807449
Outside the USA: 1-813-248-0585 For Australia: 1-300-954-583
For Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086, Mexico: 800-099-0731

* * * Section 2 - Hazards Identification * * *

GHS Classification:

Acute Toxicity - Oral Category 4
Acute Toxicity - Inhalation Category 4

GHS LABEL ELEMENTS

Symbol(s)

Signal Word

Warning

Hazard Statements

Harmful if swallowed or in contact with skin.
Harmful if inhaled.

Precautionary Statements

Prevention

Wash thoroughly after handling.
Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

* * * Section 3 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
100-51-6	Benzyl alcohol	>45
1761-71-3	Cyclohexanamine, 4,4'-methylenebis-	<2

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

Immediately flush eyes with water for at least 15 minutes. Get immediate medical assistance.

First Aid: Skin

Promptly wash thoroughly with mild soap and water.

First Aid: Ingestion

DO NOT induce vomiting. Seek medical attention.

First Aid: Inhalation

Remove to fresh air. Give oxygen if breathing is difficult.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.

Decomposition and combustion products may be toxic.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide, aldehydes and nitrogen oxides.

Extinguishing Media

Foam, CO2, or dry chemical. A water spray can also be used.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Use self-contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Recovery and Neutralization

Attempt to reclaim the free product, if this is possible.

Materials and Methods for Clean-Up

For land spill: Avoid all personal contact. Take up with absorbent material. Shovel into closeable containers. Flush contaminated area with water.

For Water Spill: This product is miscible in water. That means it is totally dissolved when mixed with water. Due to this property, this is considered a marine pollutant; however, when mixed with Part A, and after the product cures, it is totally inert.

For Air Release: This product reacts with air by absorbing the moisture out of the air. Take up with absorbent material. Shovel into closeable containers. Flush contaminated area with water.

Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions

Prevent material from entering sewers or waterways.

Prevention of Secondary Hazards

None

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Avoid contact with skin and eyes. Wash thoroughly after handling.

Storage Procedures

Keep containers tightly closed.

Incompatibilities

Avoid strong oxidizing agents, acids, copper and its alloys.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Component Exposure Limits

Benzyl alcohol (202-859-9)

Finland: 10 ppm TWA; 45 mg/m3 TWA

Engineering Measures

Good general mechanical ventilation is recommended. Local exhaust recommended.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: Hands

Use chemical resistant gloves such as neoprene or natural rubber gloves.

Personal Protective Equipment: Eyes

Splash-proof chemical goggles.

Personal Protective Equipment: Skin and Body

Normal work clothing (long sleeved shirts and long pants) is recommended.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	Translucent	**Odor:**	Ammonical
Physical State:	Liquid	**pH:**	Alkaline
Vapor Pressure:	Not Tested	**Vapor Density:**	>Air
Boiling Point:	>200° C (392° F)	**Melting Point:**	NA
Solubility (H2O):	Miscible	**Specific Gravity:**	1.07
Evaporation Rate:	Not Tested	**VOC:**	0 lb/gal (0 g/l)
Viscosity:	300-450 cP	**Bulk Density:**	1.87 lb/quart (0.85 kg)
Percent Volatile:	Nil	**Octanol/H2O Coeff.:**	Not Tested
Flash Point:	>200°F (93.3°C)	**Flash Point Method:**	None
Upper Flammability Limit (UFL):	NA	**Lower Flammability Limit (LFL):**	NA
Burning Rate:	Not Tested	**Auto Ignition:**	NA

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

None

Incompatible Products

Avoid strong oxidizing agents, acids, copper and its alloys.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, aldehydes, and nitrogen oxides.

* * * Section 11 - Toxicological Information * * *

Acute Toxicity

Component Analysis - LD50/LC50

Benzyl alcohol (100-51-6)

Inhalation LC50 Rat 8.8 mg/L 4 h; Oral LD50 Rat 1230 mg/kg; Dermal LD50 Rabbit 2000 mg/kg

Cyclohexanamine, 4,4'-methylenebis- (1761-71-3)

Inhalation LC50 Mouse 400 mg/m3 4 h; Inhalation LC50 Mouse 0.4 mg/L 4 h; Oral LD50 Rat 1000 mg/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Direct or prolonged skin contact can cause burns.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Direct eye contact can cause burns.

Potential Health Effects: Ingestion

Swallowing liquid can burn mouth and cause nausea, vomiting, diarrhea, abdominal pain and collapse.

Potential Health Effects: Inhalation

Can cause respiratory reactions after repetitive exposure.

Respiratory Organs Sensitization/Skin Sensitization

Can cause allergic skin and respiratory reactions after repetitive exposure.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

Carcinogenicity

A: General Product Information

This product is not reported to have any carcinogenic effects.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any single exposure target organ toxicity effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any repeat exposure target organ toxicity effects.

Aspiration Respiratory Organs Hazard

Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

This product is not reported to have any ecotoxicity effects.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Benzyl alcohol (100-51-6)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	460 mg/L [static]	
96 Hr LC50 Lepomis macrochirus	10 mg/L [static]	
3 Hr EC50 Anabaena variabilis	35 mg/L	
48 Hr EC50 water flea	23 mg/L	

Cyclohexanamine, 4,4'-methylenebis- (1761-71-3)

Test & Species		Conditions
96 Hr LC50 Leuciscus idus	46-100 mg/L [static]	

Persistence/Degradability

No information available for the product.

Bioaccumulation

No information available for the product.

Mobility in Soil

No information available for the product.

* * * Section 13 - Disposal Considerations * * *

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

* * * Section 14 - Transportation Information * * *

IATA Information

Shipping Name: Not Regulated

ICAO Information

Shipping Name: Not Regulated

IMDG Information

Shipping Name: Not Regulated

* * * Section 15 - Regulatory Information * * *

Regulatory Information

EU MARKING AND LABELLING:

Symbol(s):

Xn

Risk Phrases:

R20/22 Harmful by inhalation and if swallowed.

Substance Analysis - Inventory

Component/CAS	EC #	EEC	CAN	TSCA
Benzyl alcohol 100-51-6	202-859-9	EINECS	DSL	Yes
Cyclohexanamine, 4,4'-methylenebis- 1761-71-3	217-168-8	EINECS	DSL	Yes

* * * Section 16 - Other Information * * *

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average

Literature References

None

End of Sheet