# Safety Data Sheet

**Material Name: Part-B CeRam-Kote 2000NXT (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

## * * * 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<br>100-51-6 | 202-859-9 | EINECS | DSL | Yes |
| Cyclohexanamine, 4,4'-methylenebis-<br>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