**Section 1 - Product and Company Identification**

Material Name: PART-A CeRam-Kote SPG (Base)

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:
- Skin Corrosion/Irritation - Category 2
- Specific Target Organ Toxicity (Single Exposure) - Category 3

GHS LABEL ELEMENTS

Signal Word
- Warning

Hazard Statements
- Causes skin irritation.
- May cause respiratory irritation.

Precautionary Statements
- Prevention
  - Wash thoroughly after handling.
  - Wear protective gloves.
  - Avoid breathing mist/vapours/spray.
  - Use only outdoors or in a well-ventilated area.

Response
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- 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.

Storage
- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.

Disposal
- Dispose of contents/container in accordance with local/regional/national/international regulations.
*** Section 3 - Composition / Information on Ingredients ***

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>14807-96-6</td>
<td>Talc</td>
<td>40-45</td>
</tr>
<tr>
<td>28064-14-4</td>
<td>Phenol, polymer with formaldehyde, glycidyl ether</td>
<td>30-40</td>
</tr>
<tr>
<td>1344-28-1</td>
<td>Aluminum oxide</td>
<td>10-15</td>
</tr>
</tbody>
</table>

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

First Aid: Eyes
Flush with running water for at least 15 minutes. Seek medical attention.

First Aid: Skin
Wash with flowing water. Remove contaminated clothing and launder before re-wearing. If irritation persists, seek medical attention.

First Aid: Ingestion
DO NOT induce vomiting. Seek medical attention.

First Aid: Inhalation
If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

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

General Fire Hazards
See Section 9 for Flammability Properties.
No special fire hazards are known to be associated with this product.

Hazardous Combustion Products
May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Extinguishing Media
Use water fog, carbon dioxide, or dry chemical. Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Water may be used to keep fire-exposed containers cool until fire is out.

Unsuitable Extinguishing Media
None.

Fire Fighting Equipment/Instructions
Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this SDS.

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

Recovery and Neutralization
Stop the flow of material, if this is without risk.

Materials and Methods for Clean-Up
Small Spill: Absorb paste on vermiculite, floor absorbent or other absorbent material. Large Spill: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank.
Safety Data Sheet

Emergency Measures
Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment
Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions
None

Prevention of Secondary Hazards
None

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

Handling Procedures
Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing vapors or mists of this product.

Storage Procedures
No special storage necessary.

Incompatibilities
Strong oxidizing agents.

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

Component Exposure Limits

**Talc (238-877-9)**

- **ACGIH:** 2 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)
- **Austria:** 2 mg/m³ TWA [TMW] (Asbestos-free fibers, respirable fraction)
- **Belgium:** 2 mg/m³ TWA
- **Denmark:** 0.3 fiber/cm³ TWA
- **Finland:** 0.5 fiber/cm³ TWA (fiber); 5 mg/m³ TWA (granular)
- **Greece:** 10 mg/m³ TWA (inhalable fraction); 2 mg/m³ TWA (respirable fraction)
- **Ireland:** 10 mg/m³ TWA (total inhalable dust); 0.8 mg/m³ TWA (respirable dust)
- **Netherlands:** 0.25 mg/m³ TWA
- **Portugal:** 2 mg/m³ TWA [VLE-MP] (respirable fraction, particulate matter containing no Asbestos and <1% Crystalline silica)
- **Spain:** 2 mg/m³ TWA [VLA-ED] (this value is for the particulated matter that is free from Asbestos and contains less than 1% of Crystalline silica, respirable fraction)
- **Sweden:** 2 mg/m³ LLV (total dust); 1 mg/m³ LLV (respirable dust)

**Aluminum oxide (215-691-6)**

- **Austria:** 10 mg/m³ STEL [KZW] (alveolar dust, respirable fraction, smoke, 2 X 60 min)
- **Belgium:** 5 mg/m³ TWA [TMW] (alveolar dust, respirable fraction, smoke)
- **Denmark:** 1 mg/m³ TWA (as Al)
- **France:** 10 mg/m³ TWA [VME]
- **Germany:** 4 mg/m³ TWA MAK (dust, inhalable fraction); 1.5 mg/m³ TWA MAK (dust, respirable fraction)
- **Greece:** 10 mg/m³ TWA (inhalable fraction); 5 mg/m³ TWA (respirable fraction)
- **Portugal:** 10 mg/m³ TWA [VLE-MP] (particulate matter containing no Asbestos and < 1% Crystalline silica)
- **Spain:** 10 mg/m³ TWA [VLA-ED]
- **Sweden:** 5 mg/m³ LLV (total dust, as Al); 2 mg/m³ LLV (respirable dust, as Al)
Engineering Measures
General dilution ventilation and/or exhaust ventilation should be provided as necessary to maintain exposures below regulatory limits.

Personal Protective Equipment: Respiratory
If irritation occurs, or if the TLV or PEL is exceeded, use a NIOSH approved air purifying respirator with organic vapor cartridges or canisters, or supplied air respirators.

Personal Protective Equipment: Hands
Use chemical resistant gloves such as neoprene or natural rubber gloves.

Personal Protective Equipment: Eyes
Chemical protective goggles.

Personal Protective Equipment: Skin and Body
Loose fitting long sleeved shirt and long pants are recommended.

### Section 9 - Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Paste</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>ND</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>ND</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>ND</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>1.68</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;93.3°C (200°F)</td>
</tr>
<tr>
<td>Upper Flammability Limit (UFL)</td>
<td>ND</td>
</tr>
<tr>
<td>Burning Rate</td>
<td>ND</td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic</td>
</tr>
<tr>
<td>pH</td>
<td>Slight Acidic</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&gt;1 (Air=1)</td>
</tr>
<tr>
<td>Melting Point</td>
<td>ND</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>ND</td>
</tr>
<tr>
<td>VOC</td>
<td>ND</td>
</tr>
<tr>
<td>Octanol/H2O Coeff.</td>
<td>ND</td>
</tr>
<tr>
<td>Flash Point Method</td>
<td>ND</td>
</tr>
<tr>
<td>Lower Flammability Limit (LFL)</td>
<td>ND</td>
</tr>
<tr>
<td>Auto Ignition</td>
<td>ND</td>
</tr>
</tbody>
</table>

### Section 10 - Chemical Stability & Reactivity Information

Chemical Stability
This is a stable material.

Hazardous Reaction Potential
Product will not undergo hazardous polymerization.

Conditions to Avoid
None.

Incompatible Products
Strong oxidizing agents.

Hazardous Decomposition Products
May form: carbon dioxide, carbon monoxide, and aldehydes.

### Section 11 - Toxicological Information

Acute Toxicity

Component Analysis - LD50/LC50
Aluminum oxide (1344-28-1)
Oral LD50 Rat >5000 mg/kg

**Potential Health Effects: Skin Corrosion Property/Stimulativeness**
Exposure causes skin irritation. Symptoms may include: allergic skin reaction.

**Potential Health Effects: Eye Critical Damage/ Stimulativeness**
Exposure may cause mild eye irritation. Symptoms may include stinging, tearing, and redness.

**Potential Health Effects: Ingestion**
Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

**Potential Health Effects: Inhalation**
Exposure to vapor or mist is possible. May cause respiratory irritation.

**Respiratory Organs Sensitization/Skin Sensitization**
Not a sensitization hazard.

**Generative Cell Mutagenicity**
Product is not reported to have any mutagenic effects.

**Carcinogenicity**
**A: General Product Information**
Product is not reported to have any carcinogenic effects.

**B: Component Carcinogenicity**
**Talc (14807-96-6)**
- **ACGIH:** A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers)
- **IARC:** Monograph 93 [2010] (inhaled); Supplement 7 [1987]; Monograph 42 [1987] (Group 3 (not classifiable))

**Reproductive Toxicity**
Product is not reported to have any reproductive toxicity effects.

**Specified Target Organ General Toxicity: Single Exposure**
May cause respiratory irritation.

**Specified Target Organ General Toxicity: Repeated Exposure**
Product is not reported to have any specific target organ toxicity repeat exposure effects.

**Aspiration Respiratory Organs Hazard**
Not an aspiration hazard.

---

**Ecotoxicity**
**A: General Product Information**
Product is not reported to have any ecotoxicity effects.

**B: Component Analysis - Ecotoxicity - Aquatic Toxicity**
**Talc (14807-96-6)**
<table>
<thead>
<tr>
<th>Test &amp; Species</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>96 Hr LC50 Brachydanio rerio</td>
<td>&gt;100 g/L [semi-static]</td>
</tr>
</tbody>
</table>
Safety Data Sheet

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):
None
Risk Phrases:
None

Substance Analysis - Inventory

<table>
<thead>
<tr>
<th>Component/CAS</th>
<th>EC #</th>
<th>EEC</th>
<th>CAN</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc 14807-96-6</td>
<td>238-877-9</td>
<td>EINECS</td>
<td>DSL</td>
<td>Yes</td>
</tr>
<tr>
<td>Phenol, polymer with formaldehyde, glycidyl ether 28064-14-4</td>
<td>-</td>
<td>No</td>
<td>DSL</td>
<td>Yes</td>
</tr>
<tr>
<td>Aluminum oxide 1344-28-1</td>
<td>215-691-6</td>
<td>EINECS</td>
<td>DSL</td>
<td>Yes</td>
</tr>
</tbody>
</table>
*** 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

Available on request.

End of Sheet