

## Safety Data Sheet

### \*\*\*Section 1 – Product and Company Identification\*\*\*

**Material:** Ceram-Kote Wearshield Part A

**Manufacturer Information:**

CERAM-KOTE COATINGS INCORPORATED  
3118 N. Hwy 87  
Big Spring, TX 79720  
MIS1807449

Phone: +1 432-263-8497  
Emergency # ChemTel: +1 800-255-3924  
Outside USA: +1 813-248-0585  
Australia: +1 300-954-583  
Brazil: +0 800-100-4086  
China: 400-120-0751  
India: 000-800-100-4086  
Mexico: 800-099-0731

### \*\*\*Section 2 – Hazards Identification\*\*\*

**GHS Classification:**

Skin Irrit. 2 H315  
Skin Sens. 1 H317  
Aquatic Acute 2 H401  
Aquatic Chronic 2 H411  
Full text of H statements: see section 16

**Label Elements:**

Hazard pictograms



Signal word:

Warning

Hazard Statements:

H315 – Causes skin irritation  
H317 – May cause an allergic skin reaction  
H401 – Toxic to aquatic life  
H411 – toxic to aquatic life with long lasting effects

Precautionary Statements:

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 – Wash hands thoroughly after handling  
P272 – Contaminated work clothing must not be allowed out of the workplace  
P273 – Avoid release to the environment  
P280 – Wear protective gloves/protective clothing/eye protection/face protection  
P302+P352 – IF ON SKIN: Wash with plenty of soap and water  
P321 – See first aid section of this safety data sheet  
P332+P313 – If skin irritation occurs, get medical advice/attention.  
P333+P313 – If skin irritation or rash occurs, get medical advice/attention.  
P362\_P364 – Take off contaminated clothing and wash it before reuse.  
P363 – Wash contaminated clothing before reuse.  
P391 – Collect spillage  
P501 – Dispose of contents/container in accordance with local, regional, national, international regulations

**\*\*\*Section 3 – Composition / information on ingredients\*\*\***

Name	Product Identifier	%	GHS classification
Epoxy resins, liquids	CAS 25068-38-6	25 – 40	Skin Irrit. 2 H315 Eye Irrit 2 H319 Skin Sens 1 H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Dicycidyl ether of Bis F	CAS 9003-36-5	1 - 4	Skin Irrit 2 H315 Skin Sens 1 H317 Aquatic Chronic 2, H411
Trimethylolpropane-triglycidyl ether	CAS 30499-70-8	5 – 20	Skin Irrit. 2 H315 Eye Irrit 2 H319 Skin Sens 1 H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411

**\*\*\* Section 4 – First Aid Measures\*\*\***

**Description of first aid measures**

First-aid measures (general): Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention. See first aid section of this safety data sheet. If skin irritation or rash occurs, wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs, get medical advice/attention.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, or redness persists. Rinse eyes with water as a precaution.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

Symptoms/effects after inhalation: May cause an allergic skin reaction

Symptoms/effects after skin contact: Causes skin irritation. Irritation. May cause an allergic skin reaction.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically

**\*\*\* Section 5 – Firefighting Measures\*\*\***

**Extinguishing Media**

Suitable extinguishing media: Sand. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream

**Special hazards arising from the substance or mixture**

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

**Advice for firefighters**

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.



Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### **\*\*\* Section 6 – Accidental release measures \*\*\***

#### **Personal precautions, protective equipment and emergency procedures**

##### **For non-emergency personnel**

Emergency procedures: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

##### **For emergency responders**

Protective Equipment: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures: Ventilate area

#### **Environmental precautions**

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### **Methods and material for containment and cleaning up**

For Containment: Collect spillage

Methods for cleaning up: Take up liquid spill into absorbant material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information: Dispose of materials or solid residue at an authorized site.

#### **Reference to other sections**

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

### **\*\*\* Section 7 – Handling and Storage \*\*\***

#### **Precautions for safe handling**

Precautions for safe handling: Ensure good ventilation of the workstation. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures: Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.

#### **Conditions for safe storage, including any incompatibilities**

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight

#### **Specific end use(s)**

No additional information available



### \*\*\* Section 8 – Exposure controls/personal protection\*\*\*

#### Control parameters

##### **Diglycidyl ether of Bisphenol F (9003-36-5)**

ACGIH Not applicable  
OSHA Not applicable

##### **Epoxy resins, liquids (25068-38-6)**

ACGIH Not applicable  
OSHA Not applicable

##### **Trimethylolpropane-triglycidyl ether**

ACGIH Not applicable  
OSHA Not applicable

#### Exposure Controls:

Appropriate engineering controls: Ensure good ventilation of the work station.  
Personal protective equipment: Avoid all unnecessary exposure.  
Hand protection: Wear protective gloves.  
Eye protection: Chemical goggles or safety glasses. Safety glasses.  
Skin and body protection: Wear suitable protective clothing.  
Respiratory protection: Wear appropriate mask.  
Environmental exposure controls: Avoid release to the environment.  
Other information: Do not eat, drink, or smoke during use.

### \*\*\* Section 9 – Physical and chemical properties\*\*\*

#### Information on basic physical and chemical properties

Physical state: Liquid  
Color: Dark Gray  
Freezing point: No data available  
Boiling point: No data available  
Flash point: >200°F  
Relative evaporation rate: No data available  
Percent Solids (calculated): 100  
Density (calculated): 1.7 g/l  
Viscosity at 20°C: Viscous  
Water solvability: Insoluble  
pH: 8

### \*\*\* Section 10 – Stability and reactivity\*\*\*

#### Reactivity:

The product is non-reactive under normal conditions of use, storage, and transport.

#### Chemical stability:

Not established

#### Possibility of hazardous reactions

Not established

#### Conditions to avoid:

Direct sunlight. Extremely low temperatures.

#### Incompatible materials:

Strong acids. Strong bases.

#### Hazardous decomposition products:

Fume. Carbon monoxide. Carbon dioxide.

### \*\*\* Section 11 – Toxicological information \*\*\*

#### Epoxy resins, liquids (25068-38-6), Diglycidyl ether of Bisphenol F (9003-36-5)

LD50 oral rat:	>2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value)
LD50 dermal rat:	>2000 mg/kg (OECD 402: Acute Dermal toxicity, 24 h, Rat, Male/Female, Experimental value)
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	May cause an allergic skin reaction
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT – single exposure	Not classified
STOT – repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation:	May cause an allergic skin reaction
Symptoms/effects after skin contact:	Causes skin irritation. Irritation. May cause an allergic skin reaction.

### \*\*\* Section 12 – Ecological information \*\*\*

#### Toxicity

Ecology – general	Toxic to aquatic life with long lasting effects. Toxic to aquatic life.
Ecology – water	Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

#### Epoxy resins, liquids (25068-38-6), Diglycidyl ether of Bisphenol F (9003-36-5)

LC50 – Fish (1)	2.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
EC50-Crustacea(1)	1.1 – 2.8mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental Value).
ErC50 algae	>11 mg/l (EPA 660/3 – 76/009, 72 h, Scenedesmus sp., Static system, fresh water, experimental value).

#### Persistence and degradability

#### Epoxy resins, liquids (25068-38-6), Diglycidyl ether of Bisphenol F (9003-36-5)

Persistence and degradability	Not readily biodegradable in water
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#### Bioaccumulative potential

#### Epoxy resins, liquids (25068-38-6), Diglycidyl ether of Bisphenol F (9003-36-5)

BCF – Other aquatic organisms	31 (other, estimated value, fresh weight)
Partition coefficient n-octanol/water (log Pow)	2.64 – 3.78 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25°C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Know<4).

#### Mobility in soil

#### Epoxy resins, liquids (25068-38-6), Diglycidyl ether of Bisphenol F (9003-36-5)

Surface tension:	58.7 – 58.9 mN/m (20°C).
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.65 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology – soil	Low potential for mobility in soil

#### Other adverse effects

Other information:	Avoid release to the environment
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### \*\*\* Section 13 – Disposal considerations\*\*\*

#### **Waste treatment methods**

Waste disposal recommendations: Dispose in a safe manner in accordance with local / national regulations.  
Ecology – Waste materials: avoid release to the environment.

### \*\*\* Section 14 – Transport information\*\*\*

#### **Department of Transportation (DOT)**

In accordance with DOT Not regulated

#### **Transport by Sea (IMDG)**

UN Number: 3082  
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (epoxy resin)  
Class: 9  
Packing Group: III

#### **Transport by Air (IATA)**

UN Number: 3082  
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S. (epoxy resin)  
Class: 9  
Packing Group: III  
Instruction “cargo” (ICAO) 964  
Instruction “passenger” (ICAO) 964  
Instruction “passenger” - Y964  
Limited Quantities (ICAO)

### \*\*\* Section 15 – Regulatory Information\*\*\*

#### **US Federal regulations**

##### **Diglycidyl ether of Bisphenol F (9003-36-5)**

EPA TSCA Regulatory Flag XU – XU – indicates a substance exempt from reporting under the Chemical Data Reporting Rule (40 CFR 711).

#### **International Regulations**

Canada No additional information available  
EU No additional information available  
Classification according to Regulation (EC) No. 1272/2008 (CLP) Not classified  
Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC (DPD) No additional information available  
National regulations No additional information available

#### **US State regulations**

California Proposition 65 – This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

### \*\*\* Section 16 – Other Information\*\*\*

Revision Date: 1/4/2023

#### **Full text of H-phrases**

H315	Causes skin irritation	H317	May cause an allergic skin reaction	H319	Causes serious eye irritation
H401	Toxic to aquatic life	H411	Toxic to aquatic life with long lasting effects		