

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

TRADE NAME: **GCR™ 2 Base Coat (Activator)** Manufactured By:  
Genesis Coatings  
2780 La Mirada Dr, #D  
Vista, CA 92081  
(800) 533-4273

Date prepared or revised: 06-02-08

## II. HAZARDOUS INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>WGT % = TO</u>
*Cycloaliphatic Amine		85-90%

\*Chemical(s) subject to the reporting requirements of Title III §313 and of 40 CFR 372. The hazardous ingredients listed above are not carcinogenic. Their greatest hazard is their flammability. Specific MSDS sheets are available for specific products upon request.

## III. PHYSICAL PROPERTIES

BOILING RANGE: >600      ODOR: Slight ammonia  
SPECIFIC GRAVITY: 1.03      COATING VOC: None  
APPEARANCE: Viscous liquid      MATERIAL VOC: None  
VAPOR DENSITY: Lighter than air  
EVAPORATION RATE: Unknown  
SOLUBILITY IN H<sub>2</sub>O: Slightly soluble

## IV. FIRE AND EXPLOSION

FLASH POINT: 200 °F  
LOWER EXPLOSIVE LIMIT: N/A  
UPPER EXPLOSIVE LIMIT: N/A  
METHOD USED: N/A  
EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical & water fog  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Fumes released on burning are toxic and dangerous  
SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus with full-face piece

## V. REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: N/A  
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents. Material is incompatible with acids  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Normal combustion products include carbon dioxide, carbon monoxide, and oxides of nitrogen  
HAZARDOUS POLYMERIZATION: Will not occur

## VI. HEALTH HAZARD / FIRST AID

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Vapors may be irritating to the nose, throat, and respiratory tract. High vapor concentrations may cause central nervous system depression such as headache, dizziness, fatigue, nausea, possible unconsciousness, even asphyxiation.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: *Eyes:* Can cause severe irritation, redness, tearing, blurred vision. *Skin:* Prolonged or repeated exposure can cause moderate irritation or may cause dry skin.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Prolonged or repeated exposure can cause irritation, dry skin through the defatting action of the material, or possibly dermatitis. Individuals can become sensitized and have allergic reaction.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Can cause gastrointestinal irritation, nausea, vomiting, or diarrhea. Vomiting can cause aspiration of ingested fluid, small quantities of which may result in aspiration pneumonitis.

HEALTH HAZARDS (ACUTE AND CHRONIC): *Acute:* May cause eye, nose, respiratory tract, and skin irritation. Headache and nausea are also symptoms of over exposure. *Chronic:* Solvents can be toxic by skin absorption. Overexposure in some laboratory animals has caused damage to kidney, liver, and red blood cells.

CARCINOGENICITY: NTP CARCINOGEN: No / IARC MONOGRAPHS: No / OSHA REGULATED: No / Not Carcinogenic

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Allergies or respiratory irritation may be aggravated by exposure.

EMERGENCY AND FIRST AID PROCEDURES:

*EYE CONTACT:* Flush with large amounts of water. If irritation persists get immediate medical attention. *SKIN CONTACT:* Thoroughly wash exposed area. Remove contaminated clothing. If irritation persists, get prompt medical attention.

*INGESTION:* DO NOT INDUCE VOMITING! Get immediate medical attention.

*INHALATION:* Remove to fresh air, restore breathing if necessary. Treat symptoms. Get immediate medical attention.

## VII. PRECAUTIONS FOR SAFE HANDLING

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition, dike spill area, pump out liquid or acid absorbent, and dispose of material properly (see below). Ventilate area well. Inform authorities if material enters sewers, watercourses, or land areas.

WASTE DISPOSAL METHOD: Dispose materials in a manner approved by local, state, and federal regulations. Before attempting clean up, refer to hazard caution information in other sections of this sheet.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use proper storage techniques and store away from high temperatures, sparks, and open flame. Keep closure tight and upright to prevent leakage. Containers - even those that have been emptied - can contain explosive vapors. Do not cut, weld, or grind on or near containers.

OTHER PRECAUTIONS: Warning: Detectable amounts of chemicals known to the State of California to cause cancer, birth defects, or reproductive harm may be found in this product. Proposition 65 of California Health and Safety Code (Section 25249). This material should be used after all safety precautions are read and understood by everyone handling the material. Do not weld or flame cut empty containers. KEEP AWAY FROM CHILDREN.

## VIII. SPILL, LEAK AND DISPOSAL PROCEDURES

**RESPIRATORY PROTECTION:** If the TLV of the product or any component is exceeded, a NIOSHA/MSHA approved air supplied respirator is advised in the absences of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure. Otherwise, an approved chemical/mechanical filter respirator may be used.

**VENTILATION:** Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below threshold limit values.

**PROTECTIVE GLOVES:** Non-soluble plastic. Recommended for prolonged or repeated contact.

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA standards are advised.

**OTHER PROTECTIVE EQUIPMENT:** Other protective equipment that may be necessary to prevent repeated or prolonged exposure should comply with OSHA standards.

**HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using the restroom. Smoke in designated areas only. Safety shower should be available.

## IX. HMIS RATING

0 = Insignificant	Fire: 1
1 = Slight	Health: 2
2 = Moderate	Reactivity: 0
3 = High	Special Hazard: C
4 = Extreme	

## X. USER'S RESPONSIBILITY

The responsibility to provide a safe work place remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT IDENTIFICATION

**TRADE NAME:** GCR™ 2 Clear  
(Base)

**Manufactured By:**  
Genesis Coatings  
2780 La Mirada Dr, #D  
Vista, CA 92081  
(800) 533-4273

Date prepared or revised: 06-02-08

## II. HAZARDOUS INGREDIENTS

	<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>WGT % = TO</u>
1	Bisphenol A Epoxy Resin	025085-99-8	85-90%
2	Epoxy Resin Glycidyl Ether	2461-15-6	5-10%

\*\*\*No toxic chemical(s) subject to the reporting requirements of Title III §313 and of 40 CFR 372 are present. The hazardous ingredients listed above are not carcinogenic. Their greatest hazard is their flammability. Specific MSDS sheets are available for specific products upon request.

## III. PHYSICAL PROPERTIES

BOILING RANGE: 212°-338° F SOLUBILITY IN H<sub>2</sub>O: Slight  
COATING VOC: 0.18 lbs/gal MATERIAL VOC: 0.18 lbs/gal  
EVAPORATION RATE: Unknown  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.13  
VAPOR DENSITY: Lighter than air  
APPEARANCE/ODOR: Colored liquid with slight hydrocarbon odor

## IV. FIRE AND EXPLOSION

FLASH POINT: 196° F  
FLAMMABLE LIMITS IN AIR BY VOLUME:  
LOWER: N/A / UPPER: N/A / METHOD USED: N/A  
EXTINGUISHING MEDIA: CO<sub>2</sub>, dry chemical, water fog  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Fumes released on burning are toxic and dangerous  
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with full face piece

## V. REACTIVITY DATA

STABILITY: Stable  
CONDITIONS TO AVOID: Avoid temperatures over 500° F  
INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents material is incompatible with acids.  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Normal combustion products include carbon dioxide, carbon monoxide, and oxides of nitrogen.  
HAZARDOUS POLYMERIZATION: Will not occur.

## VI. HEALTH HAZARD / FIRST AID

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Vapors may be irritating to the nose, throat, and respiratory tract. High vapor concentrations may cause central

nervous system depression such as headache, dizziness, fatigue, nausea, possible unconsciousness, even asphyxiation. **SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** *Eyes:* Can cause severe irritation, redness, tearing, blurred vision. *Skin:* Prolonged or repeated exposure can cause moderate irritation or may cause dry skin.

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**CARCINOGENICITY:** NTP CARCINOGEN: NO / IARC MONOGRAPHS: NO / OSHA REGULATED: NO / Not Carcinogenic

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Allergies or respiratory irritation may be aggravated by exposure.

**EMERGENCY AND FIRST AID PROCEDURES:** **EYE CONTACT:** Flush with large amounts of water. If irritation persists get immediate medical attention. **SKIN CONTACT:** Thoroughly wash exposed area. Remove contaminated clothing. If irritation persists, get prompt medical attention. **INGESTION:** DO NOT INDUCE VOMITING! Get immediate medical attention. **INHALATION:** Remove to fresh air, restore breathing if necessary. Treat symptoms. Get immediate medical attention.

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Inform authorities if material enters sewers, watercourses, or land areas.

**WASTE DISPOSAL METHOD:** Dispose materials in a manner approved by local, state, and federal regulations.

Before attempting clean-up, refer to hazard caution information in other sections of this sheet.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Use proper storage techniques and store away from high temperatures, sparks, and open flame. Keep closure tight and upright to prevent leakage. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, weld, grind on or near containers.

**OTHER PRECAUTIONS:** Warning: Detectable amounts of chemicals known to the State of California to cause cancer, birth defects, or reproductive harm may be found in this product. Proposition 65 of California Health and Safety Code (Section 25249). This material should be used after all safety precautions are read and understood by everyone handling the material. Do not weld or flame cut empty containers. **KEEP AWAY FROM CHILDREN.**

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**RESPIRATORY PROTECTION:** If the TLV of the product or any component is exceeded, a NIOSHA/MSHA approved air supplied respirator is advised in the absences of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure. Otherwise, an approved chemical/mechanical filter respirator may be used.

**VENTILATION:** Provide sufficient mechanical ventilation (general and/or local exhaust) to maintain exposure below threshold limit values.

**PROTECTIVE GLOVES:** Non-soluble plastic; recommended for prolonged or repeated contact.

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA standards are advised.

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