

**PERMACAST® COR+GARD®, COMPONENT A**  
**MATERIAL SAFETY DATA SHEET**Health: 1  
Flammability: 1  
Reactivity: 0

ACTION PRODUCTS MARKETING CORP.  
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CODE-COR+GARD,A  
ISSUE DATE-12/28/95  
REVISED-

**A. TRADE NAME**

**COR+GARD A COMPONENT**  
CHEMICAL NAME: EPOXY FORMULATION  
FORMULA - PROPRIETARY  
CAS#: MIXTURE  
DOT CLASS: NOT REGULATED  
HMIS: H-1, F-1, R-0  
MOLECULAR WEIGHT: NA

**B. FIRST AID MEASURES**

- **EYES:** IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES HOLDING LIDS APART. CALL A PHYSICIAN.
- **SKIN:** WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS AND PERSISTS, SEE A PHYSICIAN. WASH CLOTHES BEFORE REUSE.
- **INHALATION:** REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN!
- **INGESTION:** MAY CAUSE GASTROINTESTINAL DISTRESS, IRRITATION ULCERATION. DRINK LARGE QUANTITIES OF WATER. CONSULT A PHYSICIAN.

**C. HAZARDS INFORMATION****FIRE AND EXPLOSION**

- **FLASH POINT:** 490°F
- **AUTO IGNITION TEMPERATURE:** NA

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

- DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

**HEALTH**

- **INHALATION:** IRRITATION, SENSITIZATION AND DERMATITIS.
- **INGESTION:** MAY CAUSE GASTROINTESTINAL DISTRESS OR IRRITATION.
- **SKIN:** PROLONGED AND REPEATED CONTACT MAY CAUSE IRRITATION AND RESULT IN SENSITIZATION AND ALLERGIC REACTION.
- **EYES:** VAPOR MAY CAUSE IRRITATION, REDNESS AND TEARING. LIQUID MAY CAUSE SEVERE IRRITATION WITH POSSIBLE IRREVERSIBLE INJURY.
- **UNUSUAL CHRONIC TOXICITY:** NONE KNOWN.
- **PERMISSIBLE CONCENTRATION (AIR):** NOT KNOWN

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### D. PRECAUTIONS/PROCEDURES

- **VENTILATION:** GOOD MECHANICAL VENTILATION AND LOCAL EXHAUST
  - **NORMAL HANDLING:** DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO NOT BREATHE VAPORS. KEEP CONTAINERS CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
  - **STORAGE:** STORE IN A COOL, DRY AREA AWAY FROM HEAT, STRONG OXIDIZERS. PROTECT FROM DAMAGE
  - **SPILL OR LEAK:** ABSORB SPILL ON SAND, EARTH OR VERMICULITE. CAREFULLY COLLECT INTO CLOSED CONTAINERS FOR DISPOSAL ACCORDING TO FEDERAL, STATE OR LOCAL REGULATIONS.
  - **FIRE EXTINGUISHING PRECAUTIONS:** WEAR FULL PROTECTIVE GEAR AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS.
  - **FIRE EXTINGUISHING AGENTS TO AVOID:** SOLID STREAM OF WATER OR FOAM MAY CAUSE FROTHING, SPLATTERING AND SPREAD HAZARD.
  - **SPECIAL PRECAUTIONS/PROCEDURES:** COOL CONTAINERS EXPOSED TO FLAME WITH WATER SPRAY.
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### E. PERSONAL PROTECTIVE EQUIPMENT

- **RESPIRATORY EQUIPMENT:** ORGANIC CHEMICAL CARTRIDGE RESPIRATOR, IF NEEDED.
  - **EYES:** CHEMICAL, SPLASH PROOF GOGGLES.
  - **HANDS, ARMS AND BODY:** RUBBER OR POLYETHYLENE GLOVES AND FULL BODY COVERING CLOTHING.
  - **OTHER CLOTHING AND EQUIPMENT:** EYE WASH FOUNTAIN AND SAFETY SHOWER.
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### F. PHYSICAL DATA

DESCRIPTION: DIGLYCIDYL ETHER RESIN  
BOILING POINT: >200°F  
SPECIFIC GRAVITY: 0.94  
VAPOR DENSITY: NA  
VAPOR PRESSURE: CA. 1 MM HG AT 180C  
SOLUBILITY IN WATER: NONE  
pH: NA  
EVAPORATION RATE: NIL  
% VOLATILES (BY VOLUME): NIL

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### G. REACTIVITY DATA

- **STABILITY:** STABLE
  - **INCOMPATIBLE MATERIALS:** STRONG OXIDIZERS, ACIDS AND EPOXY CURING AGENTS.
  - **HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, NOT AS A RESULT OF THERMAL DECOMPOSITION.
  - **HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.
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### H. HAZARDOUS INGREDIENTS (MIXTURES)

INGREDIENTS	PERCENTAGE	CAS#	TLV
EPOXY RESIN	>70%	25068-38-6	NE
C12 & C14 ALKYL GLYCIDYL ETHERS	<30%	686909-97-2	NE
WOLASTINITE	<5%	13983-17-0	MG/M3
TiO2	<5%	13463-67-7	10 MG/CU.M.

### I. ENVIRONMENTAL

- **BIODEGRADABILITY:** NOT KNOWN
- **WASTE DISPOSAL METHODS:** DISPOSE OF AS HAZARDOUS WASTE IN APPROVED WASTE DISPOSAL FACILITIES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

### J. REFERENCES

- **PERMISSIBLE CONCENTRATION REFERENCES:** ACGIHTWA, TLV, AND STEL
- **REGULATORY STANDARDS:** TITLE 49 CFR SECTION 173.118, 172.101
- **GENERAL:** NIOSH GUIDE TO CHEMICALS

### K. ADDITIONAL INFORMATION

#### EMPTY CONTAINER HANDLING!

- **WARNING!** EMPTIED CONTAINER RETAINS PRODUCT RESIDUE AND VAPORS. OBSERVE ALL LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED. DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR CONTAINER.

### L. SHIPPING INFORMATION

NOT REGULATED / NON HAZARDOUS

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