

PERMACAST® COR+GARD®, COMPONENT B
MATERIAL SAFETY DATA SHEETHealth: 3
Flammability: 1
Reactivity: 0

ACTION PRODUCTS MARKETING CORP.
P.O. BOX 555
JOHNSTON, IA 50131
EMERGENCY CONTACT: WILLIAM E. SHOOK
PHONE: 515-276-9610 (24 Hours)

CODE: COR+GARD, B
ISSUE DATE: 12/28/99
REVISED- 3/01/2004

A. TRADE NAME

COR+GARD B COMPONENT
CHEMICAL NAME: AMIDOAMINE
CAS#: MIXTURE
DOT CLASS: CORROSIVE
HMIS: H-3, F-1, R-0
FORMULA: MIXTURE
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. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN.

C. HAZARDS INFORMATION**FIRE AND EXPLOSION**

- **FLASH POINT:** >267°F AUTO IGNITION TEMPERATURE - NA
- **FLAMMABLE LIMITS:** LOWER - NO DATA UPPER - NO DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS

- DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.
- DELAYED LUNG DAMAGE (PULMONARY EDEMA) CAN BE EXPERIENCED AFTER EXPOSURE TO COMBUSTION PRODUCTS, SOMETIMES HOURS AFTER THE EXPOSURE.
- NITROGEN OXIDES AND NITROGEN CONTAINING ORGANIC COMPOUNDS MAY BE RELEASED UPON COMBUSTION.

HEALTH

- **INHALATION:** NO TOXICITY KNOWN.
- **INGESTION:** NO TOXICITY KNOWN.
- **SKIN:** PROLONGED AND REPEATED CONTACT MAY CAUSE IRRITATION AND RESULT IN SENSITIZATION AND ALLERGIC REACTION.
- **EYES:** CONTACT WILL RESULT IN IRRITATION AND REDNESS.
- **UNUSUAL CHRONIC TOXICITY:** NONE KNOWN.
- **PERMISSIBLE CONCENTRATION (AIR):** NE

PERMACAST® COR+GARD®, COMPONENT B

MATERIAL SAFETY DATA SHEET

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 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.
-

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.
-

F. PHYSICAL DATA

- **DESCRIPTION:** AMBER LIQUID WITH AMINE ODOR.
 - **BOILING POINT:** >385°F
 - **SPECIFIC GRAVITY:** 0.99
 - **VAPOR DENSITY:** NA
 - **VAPOR PRESSURE:** <2.00 @ 21°C
 - **SOLUBILITY IN WATER:** SLIGHT (0.1-1%)
 - **pH:** ALKALINE
 - **EVAPORATION RATE:** NIL
 - **% VOLATILES (BY VOLUME):** NIL
-

G. REACTIVITY DATA

- **STABILITY:** STABLE
- **INCOMPATIBLE MATERIALS:** STRONG OXIDIZERS, ACIDS, BASES AND HEAT.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO₂, NOT AS A RESULT OF THERMAL DECOMPOSITION.
- **HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

PERMACAST[®] COR+GARD[®], COMPONENT B

MATERIAL SAFETY DATA SHEET

H. HAZARDOUS INGREDIENTS (MIXTURES)

INGREDIENTS	PERCENTAGE	CAS#	TLV
FORMALDEHYDE, POLYMER WITH BENZENEAMINE, HYDROGENATED	>30%	135108-88-2	
TETRAETHYLENEPENTAMINE (TEPA)	<10%	112-57-2	
NONLYOHENOL	<10%	25154-52-3	

I. TRANSPORTATION INFORMATION

AMINES, LIQUID, CORROSIVE, N.O.S., 8, UN 2736, III (CYCLOALIPHATIC AMINE, NONYLPHENOL)

J. REFERENCES

- **PERMISSIBLE CONCENTRATION REFERENCES:** ACGIHTWA, TLV, AND STEL
- **REGULATORY STANDARDS:** NA
- **GENERAL:** NA

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.

INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. HOWEVER, IT IS PROVIDED SOLELY FOR THE CUSTOMERS CONSIDERATION, INVESTIGATION AND VERIFICATION. ACTION PRODUCTS MARKETING CORP, d.b.a. PERMAFORM. HEREBY SPECIFICALLY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, REGARDING THE ACCURACY AND COMPLETENESS OF SUCH INFORMATION, AND MAKES NO REPRESENTATIONS WITH RESPECT THERETO.