

PERMABOND INTERNATIONAL,DIV NATIONAL STARCH & CHEM -- PRIMER SURFACE  
CONDITIONER,PART A -- 2910-01-128-5503

===== Product Identification =====

Product ID:PRIMER SURFACE CONDITIONER,PART A

MSDS Date:09/22/1998

FSC:2910

NIIN:01-128-5503

Status Code:A

MSDS Number: CHVXZ

=== Responsible Party ===

Company Name:PERMABOND INTERNATIONAL,DIV NATIONAL STARCH & CHEM

Address:480 S. DEAN ST.

City:ENGLEWOOD

Sta

te:NJ

ZIP:07631

Country:US

Info Phone Num:201-567-9494

Emergency Phone Num:201-567-9494

Preparer's Name:DOD HMIS/DSCR-VBA

CAGE:61078

=== Contractor Identification ===

Company Name:PERMABOND INTERNATIONAL,DIV NATIONAL STARCH & CHEM

Address:480 S. DEAN ST.

Box:City:ENGLEWOOD

State:NJ

ZIP:07631

Country:US

Phone:201-685-5000

CAGE:61078

Company Name:U S ARMY TANK AUTOMOTIVE COMMAND AMSTA-TFP

Address:11 MILE RD

Box:City:WARREN

State:MI

ZIP:48397

Country:US

Phone:AV 786-6293 MSDS CALL SKIP ROBERTS

CAGE

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Composition/Information on Ingredients  
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Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)  
CAS:71-55-6  
RTECS #:KJ2975000  
Fraction by Wt: 91%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:350 PPM/450 STEL  
ACGIH TLV:350 PPM/450STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Health Hazards Acute  
and Chronic:EXCESSIVE INHALATION OF VAPORS CAN  
CAUSE NASAL AND RESPIRATORY IRRITATION.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:INHALATION: DIZZINESS, WEAKNESS, NAUSEA,  
HEADACHE, POSSIBLY UNCONSCIOUSNESS. CONTACT WITH EYES: CAN CAUSE  
SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN:  
PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION & DERMATITIS.  
INGESTION: GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING.

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First Aid Measures  
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First Aid:INHALATION: REMOVE TO FRESH AIR, IF BREATHING HAS STOPPED,  
GIVE ARTIFICIAL RESPIRATION & GET MEDICAL ATTENTION. DO NOT GIVE  
STIMULANTS. EYE CONTACT: FLUSH WITH WATER, SEE PHYSICIAN.  
INGESTION: DO NOT INDUCE VOMITING, CALL PHYSICIAN. SKIN CONTACT:  
WASH WITH SOAP AND WATER.

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Fire Fighting Measures  
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Extinguishing Media:CO2, DRY CHEMICAL, FOAM.  
Fire Fighting Procedures:WATER MAY BE USED TO KEEP FIRE E

XPOSED

CONTAINERS COOL UNTIL FIRE IS OUT. USE AIR SUPPLIED MASK AND PROCEDURE FOR CHEMICAL FIRES.

Unusual Fire/Explosion Hazard:AEROSOLS MUST BE KEPT AT TEMPERATURES BELOW 130 F TO PREVENT ANY POTENTIAL HAZARD. BURNING PRODUCT GIVES OFF HYDROGEN CHLORIDE AND TRACES OF PHOSGENE CHLORINE.

===== Accidental Release Measures =====

Spill Release Procedures:PROVIDE ADEQUATE VENTILATION. SOAK UP WITH SAND, CLAY, EARTH OR OTHER ABSORBENT MATERIAL AND SHOVEL INTO CONTAINER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL LOCATION (60-80 F) AWAY FROM SUNLIGHT OR ANY SOURCE OF HEAT, SPARKS OR FLAME.  
Other Precautions:USE NORMAL GOOD INDUSTRIAL HYGIENIC PRACTICES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF TLV IS EXCEEDED, AN APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED.  
Ventilation:LOCAL EXHAUST PREFERRED.  
Protective Gloves:POLYETHYLENE OR POLYVINYL ALCOHOL.  
Eye Protection:SAFETY GLASSES, FACE SHIELD.  
Other Protective Equipment:EYE WASH FOUNTAIN.  
Work Hygienic Practices:AVOID PROLONGED BREATHING OF VAPORS OR CONTACT WITH EYES. DO NOT DIRECT SPRAY TOWARD FACE.  
Supplemental Safety and Health  
KEY1:V2. THIS ENTRY DESCRIBES PART A OF A TWO PART KIT. SEE THIS SAME NSN, CAGE 05972, FOR PART B DATA.

===== Physical/Chemical Properties =====

HCC:V2  
Boiling Pt:B.P. Text:165F,74C  
Vapor Pres:100 @ 68 F  
Spec Gravity:1  
Solubility in Water:INSOLUBLE  
Appearance and Odor:GREEN AEROSOL SPRAY

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
AVOID CONTACT WITH WATER, REACTIVE METALS AND CAUSTIC SODA.  
Stability Condition to Avoid:EXCESSIVE TEMPERATURES.  
Hazardous Decomposition Products:CO<sub>2</sub>, CO, HCL FUMES AND TRACE AMOUNTS OF PHOSGENE FORMED IF COMBUSTION OCCURS IN THE AEROSOL FORM.

===== Disposal =====

Considerations =====

Waste Disposal Methods:DISPOSE IN AN APPROVED WASTE DISPOSAL TERMINAL.  
AEROSOL CANS MUST BE DISPOSED OF IN AN ENVIRONMENTALLY ACCEPTED  
MANNER DUE TO THEIR POTENTIAL TO PRESENT AN EXPLOSION HAZARD.

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