

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

===== Composition/Information on Ingredients =====

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROEHANE) (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

===== Hazards Identification =====

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.

===== First Aid Measures

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.

===== Fire Fighting Measures =====

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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