

BONDED PRODUCTS, INC. -- DOD-C-24176B H.S. CEMENT PT. B -- 8030-00-670-8553  
===== Product Identification =====

Product ID:DOD-C-24176B H.S. CEMENT PT. B  
MSDS Date:05/10/1989  
FSC:8030  
NIIN:00-670-8553  
Kit Part:Y  
MSDS Number: BJQVD  
=== Responsible Party ===  
Company Name:BONDED PRODUCTS, INC.  
Address:439 S. BOLMAR ST.  
Box:39  
City:WEST CHESTER  
State:PA  
ZIP:19381  
Country:US  
Info Phone Num:215-696-9220

Emergency Phone Num:215-696-9220  
Preparer's Name:A. NICHOLAS ROSA  
CAGE:DO082

=== Contractor Identification ===

Company Name:ABBEY COLOR INC DBA ABBEY PRODUCTS AND BONDED  
Address:400 E TIOGA ST  
Box:City:PHILADELPHIA  
State:PA  
ZIP:19134-1127  
Country:US  
Phone:215-739-9960  
CAGE:19092  
Company Name:BONDED PRODUCTS, INC  
Address:439 SOUTH BOLMAR STREET  
Box:39  
City:WEST CHESTER  
State:PA  
ZIP:19381-0039  
Phone:610-696-9220 OR 215-739-9960  
CAGE:DO082

===== Composition/Information on Ingredients =

=====

Ingred Name:MODIFIED ALIPHATIC AMINE (VAPOR PRESSURE 1.0 MM HG @ 68 F)

Ingred Name:RESORCINOL (SARA III)

CAS:108-46-3

RTECS #:VG9625000

Other REC Limits:20 PPM

OSHA PEL:10 PPM/20 STEL

ACGIH TLV:10 PPM/20 STEL; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:DICYANDIAMIDE

CAS:504-66-5

Ingred Name:TRIETHYLENETETRAMINE (TETA) (VAPOR PRESSURE 8.0 MM HG @ 68F)

CAS:112-24-3

RTECS #:YE6650000

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV958

0000

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:SILCOSIL 52

CAS:112945-52-5

RTECS #:VV7310000

Ingred Name:MILLED GLASS

Ingred Name:SILICON DIOXIDE, AMORPHOUS (SARA 313)

CAS:112945-52-5

RTECS #:VV7310000

OSHA PEL:20 MPPCR

ACGIH TLV:10 MG/M3

Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Re

ports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Effects of Overexposure:INHALATION:NAUSEA,HEADACHE,VAPORS MAY IRRIT NOSE & LUNGS UPON PROLONGED OR REPEATED EXPOSURES.SKIN/EYE:REDNESS & IRRIT OF SKIN & EYES AFTER PROLONGED OR REPEATED EXPOS.MAY CAUSE SENSITIZATION RESULTIN G IN ALLERGIC REACTION.SKIN:PROLONGED OR REPEATED CONTACT W/SKIN CAN CAUSE REDNESS & IRRIT.INGESTION:ABDOMINAL REACTION.

Medical Cond Aggravated by Exposure:SKIN CUTS AND BRUISES AND ABNORMAL SKIN CON DITIONS. PREVIOUS EYE IRRITATIONS AND ABNORMAL EYE CONDITIONS.

===== First Aid Measures =====

First Aid:INHALATION: REMOVE VICTIM TO FRESH AIR, GIVE OXYGEN OR ARTIFICIAL RESPIRATION, IF NECESSARY. CALL A PHYSICIAN. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, CALL A PHYSICIAN. SKIN: WASH WITH SOAP AN D WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INGESTION: IF CONSCIOUS, GIVE WATER OR MILK, INDUCE VOMITING.

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

Flash Point Method:CC

Flash Point:275F,135C

Extinguishing Media:FOAM, CO2, DRY CHEMICAL, WATER FOG.

Fire Fighting Procedures:WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING SYSTEM, NIOSH APPROVED. REMAIN UPWIND FROM FIRE.

Unusual Fire/Explosion Hazard:HANDLE PRODUCT AS A COMBUSTIBLE MATERIAL. WHEN EXPOSED TO BURNING OR FIRE, CONTAINERS CAN BURST. KEEP COOL WITH A WATER SPRAY.

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

Spill Release Procedures:VENTILATE AREA. AVOID CONTACT WITH SKIN AND BREATHING VAPORS. CLEAN SPILLS BY TREATING WITH ABSORBENT MATERIAL. SCRAPE INTO A CONTAINER FOR PROPER DISPOSAL. FLUSH CONTAMINATED AREA WITH WATER.

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

Handling and Storage Precautions:AVOID CONTACT W/SKIN,EYES,CLOTH.PROVIDE GOOD VENT WHEN HANDLING.AVOID BREATH VAPORS.USE PROTECT CLOTH.STORE TI

GHT CLOSED CNTNR IN COOL, DRY AREA

W/VENT

Other Precautions: LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH EXPOSED SKIN AREAS AFTER USING PRODUCT. DISCARD CONTAMINATED SHOES AND OTHER LEATHER ARTICLES. USE A BARRIER CREAM FOR HANDS BEFORE USING PRODUCT.

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

Respiratory Protection: NIOSH APPROVED ORGANIC VAPOR RESPIRATOR IS RECOMMENDED.

Ventilation: LOCAL REQUIRED-ADEQUATE VENTILATION. GENERAL MECHANICAL VENT

ILATION IS REQUIRED TO MOVE VAPORS AWAY FROM OPERATOR.

Protective Gloves: IMPERVIOUS GLOVES

Eye Protection: CHEMICAL SPLASH PROOF GOGGLES

Other Protective Equipment: WEAR PROTECTIVE CLOTHING OR RUBBER APRON AS NECESSARY TO PREVENT SKIN CONTACT. SAFETY SPRAY OR SHOWER. EYE WASH FOUNTAIN.

Work Hygienic Practices: WASH EXPOS AREA W/SOAP/WATER AFTER USING PROD & ESPECIALLY BEFORE EATING. PRACTICE GOOD HOUSEKEEP. PERSONAL CLEANLINESS.

Supplemental Safety and Health

KEY1: N1. CAUTION.

=====

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

HCC: N1

Spec Gravity: 1.6

Solubility in Water: VERY SLIGHT

Appearance and Odor: BLACK PASTE WITH AN AMINE ODOR.

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, NATURAL RUBBER.

Stability Condition to Avoid: TEMPERATURES OVER 110 DEGREES F.

Hazardous Decomposition Products: NITROGEN OXIDES, HYDROCARBONS, PHENOLICS, CARBON MONOXIDE AND/OR CARBON DIOXI

DE.

===== Disposal Considerations =====

Waste Disposal Methods: REACT THIS PART B WITH THE PART A AND DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and

d

disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.