

R 93-006 AEROSPACE SEALANT

MSDS Number

BHMFD

National Stock Number

8030-00-119-4916

Product Name

R 93-006 AEROSPACE SEALANT

Manufacturer

DOW CORNING CORP

Product Identification

Product ID: R 93-006 AEROSPACE SEALANT

MSDS Date: 12/19/1989

FSC: 8030

NIIN: 00-119-4916

Kit Part: Y

MSDS Number: BHMFD

Responsible Party

DOW CORNING CORPORATION

SOUTH SAGINAW ROAD

MIDLAND , MI 48686

US

Emergency Phone: 517-496-5900

Info Phone: 517-496-5900

Preparer: JACK L. SHENEGER

Cage: 5D028

Contractor

DOW CORNING CORP

AUBURN, MI 48611

US

517-496-4388

Cage: 71984

Ingredients

PROPRIETARY INGREDIENT (OBSERVE LIMITS FOR ETHYL ALCOHOL,

Fraction By Weight: 1%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM

SILICA, AMORPHOUS, DIATOMACEOUS EARTH, CONTAINING LESS THAN

CAS: 61790-53-2

RTECS: HL8600000

Fraction By Weight: UP TO 3%

OSHA PEL20 MPPCF

ACGIH TLV: 10 MG/M3 TDUST; 9293

SILICA, CRYSTALLINE - CRISTOBALITE

CAS: 14464-46-1

RTECS: VV7325000

Fraction By Weight: 10 -13%

OSHA PELSEE TABLE Z3

ACGIH TLV: 0.05 MG/M3 RDUST9293

ZINC OXIDE

CAS: 1314-13-2

RTECS: ZH4810000

Fraction By Weight: 25%

OSHA PEL15MG/M3 TDUST/5 FUME

ACGIH TLV: 10MG/M3 TDUST; 9293

SILICA, CRYSTALLINE - QUARTZ

CAS: 14808-60-7

RTECS: VV7330000

Fraction By Weight: 0.7%

OSHA PELSEE TABLE Z3

ACGIH TLV: 0.1 MG/M3 RDUST;9293

Hazards

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

Health Hazards Acute and Chronic:NO INJURY FROM DUSTS SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYS INJURY MAY OCCUR. PROLONGED QUARTZ/CRISTOBALITE DUST OVEREXP HAS CAUSED CANCER IN LAB ANIMALS, LIMITED EVIDENCE IN HUMANS.PROLONGED QUARTZ/CRISTOBALITE DUST OVEREXP MAY CAUSE SILICOSIS.

Explanation of Carcinogenicity:OVEREXP HAS CAUSED CANCER IN LAB ANIMALS, BUT THERE IS ONLY LIMITED EVIDENCE OF CANCER AMONG HUMANS.

Effects of Overexposure:EYE: DIRECT CONTACT IRRI, RED & SWELL. SKIN: SHORT EXP MAY IRRI. PROLONG/REPEAT CONTACT (24 TO 48 HRS) IRRI MOD. INHALE: NO IRRI TO EYE & RESPIR PASSAGES. NO INJURY IS LIKELY FROM LESS THAN 8 HRS. ORAL: SWALLOWING LARGE AMOUNTS MAY INJURESLIGHTLY. AMTS TRANS TO MOUTH BY FINGERS DURING USE, ETC. SHOULD NOT INJURE.

First Aid

First Aid:EYES: FLUSH WITH WATER. SKIN: WIPE OFF AND FLUSH WITH WATER. INHALATION: NO FIRST AID SHOULD BE NEEDED. AND ORAL: NO FIRST AID SHOULD BE NEEDED.

Fire Fighting

Flash Point Method:CC

Flash Point:> 212 F/ > 100 C

Lower Limits:NA

Upper Limits:NA

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

Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

Unusual Fire/Explosion Hazard:NONE KNOWN TO DOW CORNING

Accidental Release

Spill Release Procedures:USE ABSORBENT MATERIAL TO COLLECT AND CONTAIN FOR SALVAGE OR DISPOSAL

Handling

Handling and Storage Precautions:STORE BELOW 90F/32C. USE REASONABLE CARE. USE RESPIRATORY PROTECTION IF PROCESSING CREATES RESPIRABLE PARTICLES

Other Precautions:TRACES OF FORMALDEHYDE & OTHER THERMAL DECOMPOSITION PRODUCTS MAY FORM AT TEMPERATURES ABOVE 150C IN THE PRESENCE OF AIR. PROVIDE VENTILATION TO CONTROL VAPOR EXPOSURE WITHIN INHALATION GUIDELINES WH EN HANDLING AT ELEVATED TEMPERATURES.

Exposure Controls

Respiratory Protection:NONE SHOULD BE NEEDED. USE RESPIRATORY PROTECTION IF PROCESSING CREATE RESPIRA- BLE PARTICLES. PRODUCT EVOLVES ETHYL ALCOHOL ON EXPOSURE TO WATER OR HUMID AIR. PROVIDE VENT TO CONTROL ETHYL ALCOHOL EX P WITHIN LIMITS OR USE RESPIR PROTECTION

Ventilation:LOCAL EXHAUST: NONE SHOULD BE NEEDED. MECHANICAL (GENERAL): RECOMMENDED

Eye Protection:SAFETY GLASSES, AS A MINIMUM

Work Hygienic Practices:WASHING AT MEALTIME & END OF SHIFT IS ADEQUATE. REMOVE CON- TAM CLOTHES & SHOES AND LAUNDER BEFORE RE-USE.

Supplemental Safety and Health

THESE PRECAUTIONS ARE FOR ROOM TEMP HANDLING, USE AT ELEVATED TEMP, OR AEROSOL/ SPRAY APPLICATIONS, MAY REQUIRE ADDED PRECAUTIONS. GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL,ESPECIALLY BEFORE EATING OR SMOKING.

Chemical Properties

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Vapor Pres:< 5 MM

Vapor Density:NA

Spec Gravity:1.3

Evaporation Rate & Reference:NA

Solubility in Water:LESS THAN 0.1

Appearance and Odor:VERY LITTLE ODOR, PASTE-LIKE, GRAY

Percent Volatiles by Volume:< 5

Stability

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIAL CAN CAUSE A REACTION

Hazardous Decomposition Products:METAL OXIDES, SILICON DIOXIDE, CARBON DIOXIDE AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS

Disposal

Waste Disposal Methods:DOW CORNING SUGGESTS THAT ALL LOCAL, STATE & FED REG CONCERNING HEALTH & POLLUTION BE REVIEWED TO DETERMINE APPROVED DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

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