View NSN Online: https://aerobasegroup.kr/nsn/4440-00-967-3418

GRACE W R AND CO, DAVISON CHEMICAL DIV -- FORMED MOLECULAR SIEVE -- 4440-00-967-3418

Product ID:FORMED MOLECULAR SIEVE MSDS Date:10/01/1992 FSC:4440 NIIN:00-967-3418 MSDS Number: BRKJV === Responsible Party === Company Name: GRACE W R AND CO, DAVISON CHEMICAL DIV Address:10 E BALTIMORE ST Box:2117 City:BALTIMORE State:MD ZIP:21202-1630 Country:US Info Phone Num:410-659-9000 Emergency Phone Num:410-659-9058, 301-874-2009(EVENING) Preparer's Name: J.H.CONVEY CAGE:0NAV2 === Contractor Identification === Company Name: GRACE W R AND CO Address:919 18TH ST NW **City:WASHINGTON** State:DC ZIP:20006 Country:US Phone:410-659-9000 CAGE:0NAV2 Company Name: W R GRACE & CO. DAVISON CHEMICAL DIVISION Address:10 E BALTIMORE STREET Box:2117 City:BALTIMORE State:MD ZIP:21202-1630 Country:US Phone:410-659-9000 CAGE:16210

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

Ingred Name:SODIUM ALUMINOSILICATE CAS:1344-00-9 Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM SODIUM ALUMINOSILICATE CAS:1344-01-0 Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM SODIUM ALUMINOSILICATE CAS:12736-96-8 Other REC Limits:NONE RECOMMENDED

Ingred Name:CLAY (MAGNESIUM ALUMINOSILICATE) CAS:1332-58-7 RTECS #:GF1670500 Other REC Limits:NONE RECOMMENDED OSHA PEL:15 MG/M3 TDUST ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:QUARTZ CAS:1408-60-7 Fraction by Wt: 2-3% Other REC Limits:NONE RECOMMENDED

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >31,600 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:AVOID PROLONGED BREATHING OF DUST OR CONTACT OF DUST WITH SKIN. THE DRYING ACTION OF THIS MATERIAL CAN CAUSE IRRITATION OF MUCOUS MEMBRANES OF NOSE AND THROAT AND IRRITATION OF SKIN. IF
ITS USE REQUIR ES MANUAL HANDLING, WEAR LONG SLEEVES AND CLOSE-WEAVE COTTON GLOVES WITH TIGHT FITTING WRISTLETS.
Explanation of Carcinogenicity:QUARTZ IS LISTED BY IARC AS CLASS 2A CARCINOGEN.
Effects of Overexposure:EYES: IRRITATION FROM DUST. SKIN: IRRITATION, DRYING. INHALATION: DUST MAY CAUSE DRYNESS AND IRRITATION OF MUCOUS MEMBRANES OF MOUTH AND THROAT. INGESTION: NOT CONSIDERED A POTENTIAL SOURCE OF EXPOSUR E.

Medical Cond Aggravated by Exposure:MANUFACTURER KNOWS OF

NO MEDICAL CONDITIONS ABNORMALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: WASH AREA WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. INGESTION: MATERIAL WILL PASS THROUGH THE BO DY NORMALLY.

Flash Point:NON FLAMMABLE Extinguishing Media :MATERIAL IS NOT FLAMMABLE. USE APPROPRIATE MEDIA TO FIGHT SURROUNDING FIRE. Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

Spill Release Procedures: VACUUM, SWEEP UP OR FLUSH TO SEWER TREATED FOR SUSPENDED SOLIDS REMOVAL. KEEP DUST TO A MINIMUM. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: KEEP CONTAINERS TIGHTLY SEALED. WEAR GOGGLES WHEN TRANSFERRING PRODUCT WITH HIGH PRESSURE AIR. PROPERLY GROUND TRANSFER SYSTEM AND RECEIVING VESSELS.

Other Precautions: WILL RELEASE HEAT WHEN ABSORBING WATER; SIEVES CAN BECOME HOT ENOUGH TO CAUSE THERMAL BURNS OF THE SKIN. WHEN POURING THIS MATERIAL INTO A CONTAINER OF FLAMMABLE LIQUID, GROUND BOTH CONTAINERS TO PREV ENT A STATIC ELECTRIC SPARK.

====== Exposure Control

s/Personal Protection ========

Respiratory Protection: IF DUSTY CONDITIONS PREVAIL, USE OF AN APPROVED NIOSH/MSHA DUST MASK IS RECOMMENDED.
Ventilation: PROVIDE NORMAL ACCEPTABLE WORK AREA VENTILATION.
Protective Gloves: CLOSE-WEAVED COTTON GLOVES.
Eye Protection: GOGGLES WHEN AIR TRANSFERRING SIEVES.
Other Protective Equipment: WEAR CLOTHING NECESSARY TO MINIMIZE SKIN CONTACT WITH THE MATERIAL.
Work Hygienic Practices: WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING.

Su

pplemental Safety and Health

HCC:N1 Spec Gravity:2.1 pH:10.4 Solubility in Water:INSOLUBLE Appearance and Odor:WHITE, GRAY, OR TAN BEADS. ODORLESS. Percent Volatiles by Volume:NIL

Stability Indicator/Materials to Avoid:YES REACTS WITH HYDROGEN FLUORIDE, STRONG ACIDS, OR ALKALI. Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. Hazardous Decomposi tion Products:NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. FOLLOWING CONTACT WITH PETROCHEMICALS OR GASES, MOLECULAR SIEVES MUST BE HANDLED WITH SPECIAL PRECAUTIONS.MOLECULAR SIEVES AND RETAINED MATERIAL CAN BE FLAMMABLE ANDTOXIC.

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

ulated 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 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.