

DAVISON CHEMICAL DIVISION OF WR GRACE & COMPANY -- FORMED MOLECULAR SIEVE,DESICCANT,ACTIVATED -- 6850-00-181-7727

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

Product ID:FORMED MOLECULAR SIEVE,DESICCANT,ACTIVATED

MSDS Date:04/10/1989

FSC:6850

NIIN:00-181-7727

MSDS Number: BJNJP

=== Responsible Party ===

Company Name:DAVISON CHEMICAL DIVISION OF WR GRACE & COMPANY

Box:2117

City:BALTIMORE

State:MD

ZIP:21203

Country:US

Info Phone Num:301-659-9058 (OFFICE)

Emergency Phone Num:301-874-2009 (HOME)

Preparer's Name:JH CONVEY

CAGE:7U659

=== Contractor Identification ===

Company Name:DAVISON CHEMICAL DIVISION OF WR GRACE & COMPANY

Address:5500 CHEMICAL RD

Box:City:BALTIMORE

State:MD

ZIP:21226-1698

Country:US

Phone:410-354-8954

CAGE:7U659

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

Ingred Name:SILICA, CRYSTALLINE - QUARTZ

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 2.8 (SEE SUPPLEMENT)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:IF A LARGE AMOUNT OF SIEVE QUICKLY ADSORBS AN EQUILIBRIUM AMOUNT OF WATER,THEY CAN BECOME HOT AND CAUSE THERMAL BURNS OF THE SKIN.AVOID CONTACT UNDER THESE CONDITIONS.QUARTZ CAN CAUSE SILICOSIS OR OTHER FIBROTIC LUNG DISEASE WITH PROLONGED EXPOSURE.

Explanation of Carcinogenicity:QUARTZ:LIMITED EVIDENCE FOR CARCINOGENICITY IN HUMANS

NS/SUFFICIENT EVIDENCE FOR CARCINOGENICITY
IN ANIMALS (IARC,1987).

Effects of Overexposure:EYES:NOT AN IRRITANT.SKIN:IF ACTIVATED,SIEVES
ARE DESICCANTS & CAN CAUSE DRYING IRRIT OF MUC MEMBR & SKIN IN
EXTREME EXPOS.ALL STUDIES TO DATE INDICATE NO SIGNIFICANT HEALTH
PROBLEMS.DO NOT CONFUSE THESE NONFIBROUS SYNTHETIC
ALUMINOSILICATES W/ NATURAL ZEOLITES.INGEST:N/K .INHAL:DUST MAY
IRRIT NOSE & THROAT.

Medical Cond Aggravated by Exposure:DAVISON KNOWS OF NO MEDICAL
CONDIT
IONS ABNORMALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES:IMMEDIATELY WASH FROM EYES WITH LARGE AMOUNTS OF
WATER,OCCASIONALLY LIFTING UPPER AND LOWER LIDS.IF IRRITATION
OCCURS AND PERSISTS,SEEK MEDICAL ATTENTION.SKIN:WASH WITH SOAP AND
WATER.INGESTION:M ATERIAL WILL PASS THROUGH BODY
NORMALLY.INHALATION:REMOVE TO FRESH AIR.

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

Fla
sh Point:NONFLAMMABLE
Lower Limits:NONFLAMMABLE
Upper Limits:NONFLAMMABLE
Extinguishing Media:NONFLAMMABLE
Fire Fighting Procedures:STANDARD TURNOUT GEAR WITH NIOSH/MSHA APPROVED
SCBA .NONFLAMMABLE.
Unusual Fire/Explosion Hazard:IF SIEVES COME IN CONTACT WITH TYPICAL
PETROCHEMICALS/GASES,THE COMBINATION CAN BE FLAMMABLE AND
TOXIC.AVOID SOURCES OF IGNITION & BODY CONTACT (SEE ING #6)

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

Spill Release Procedures:VACUUM
OR SWEEP UP OR FLUSH TO SEWER TREATED
FOR SUSPENDED SOLIDS REMOVAL.
Neutralizing Agent:N/K

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

Handling and Storage Precautions:AVOID PROLONGED BREATHING OF/CONTACT
WITH DUST.IF TRANSFERRING BEADS W/ HIGH PRESSURE AIR,WEAR GOGGLES
AS BEADS AT HIGH VELOCITY CAN PENETRATE SKIN.
Other Precautions:PROPERLY GROUND TRANSFER SYSTEM & RECEIVING
VESSELS.FOLLOW STANDARD OPERATING PROCEDURES.WHEN POURING INTO A
CONTAINER

OF FLAMMABLE LIQUID,GROUND BOTH CONTAINERS ELECTRICALLY
TO PREVENT A STATIC ELECT RIC SPARK.NOT A FOOD-GRADE PRODUCT.

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

Respiratory Protection:IF DUSTY CONDITIONS PREVAIL,USE OF AN APPROVED
NIOSH/MSHA DUST MASK IS RECOMMENDED.

Ventilation:CONSULT LOCAL SAFETY/HEALTH AUTHORITIES IF ADDITIONAL
GUIDANCE IS NEEDED .

Protective Gloves:CLOSE-WEAVE COTTON W/ TIGHT- (SEE SUP)

Eye Protection:WEAR GOGGLES FOR HIGH PRESSURE TR
ANSFER.

Other Protective Equipment:LONG SLEEVES FOR MANUAL HANDLING.

Work Hygienic Practices:N/K

Supplemental Safety and Health

PH:10.3-10.5 IN 5% SLURRY.LD50-LC50 MIX:MG/ML 1-HR.RAT ORAL EST.

>31,600 MG/KG 48-HR,RABBIT DERMAL EST. >2000 MG/KG 48-HR.BULK

DENSITY:POWDER GRADES 5-15 LBS/FT3.BEADED GRADES 40-50

LBS/FT3.WASTE DISP METH:LANDFILL IAW LOCAL,STATE & FEDERAL REGS

FOR TOX WASTES.COVER TO AVOID BLOWING DUST.PROT GLOVES:FITTING
WRISTLETS.

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===== Physical/C
hemical Properties =====

Boiling Pt:B.P. Text:N/K

Melt/Freeze Pt:M.P/F.P Text:N/K

Decomp Temp:Decomp Text:N/K

Vapor Pres:N/K

Vapor Density:N/K

Spec Gravity:2.1 (WATER=1)

pH:SUP DA

Evaporation Rate & Reference:N/K

Solubility in Water:INSOLUBLE

Appearance and Odor:WHITE,GRAY OR TAN BEADS WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

REACTS WITH HYDROGEN FLUORIDE AND STRONG ACIDS OR ALKALI.

Sta

bility Condition to Avoid:N/K
Hazardous Decomposition Products:N/K

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH
FEDERAL,STATE AND LOCAL REGULATIONS.COORDINATION WITH SUPPORTING
INSTALLATION AND/OR MACOM ENVIRONMENTAL COORDINATION PRIOR TO
DISPOSAL IS RECOMMENDED TO DETERMINE APPROPRIATE DISPOSAL METHODS
(SEE SUPP)

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