

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- GRANULAR SILICA GEL -- 6850-00-950-4209

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

Product ID:GRANULAR SILICA GEL

MSDS Date:04/24/1986

FSC:6850

NIIN:00-950-4209

MSDS Number: BFYWL

=== Responsible Party ===

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

Info Phone Nu

m:301-659-9000;301-659-9058

Emergency Phone Num:301-874-2009/301-659-9058(JHCONVEY)

CAGE:16210

=== Contractor Identification ===

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:SILICA GEL

CAS:63231-67-4

RTECS #:VV7322000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:80 MG/M3 / % SIO2

ACGIH TLV

:10 MG/M3

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

LD50 LC50 Mixture:LD50 ORAL, RAT (48HR) =>31600MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NO KNOWN HAZARDS IN NORMAL RANGE. ORAL
TOXICITY IS CONSIDERED VERY LOW. INHAL TOXICITY:ACUTE:VERY LOW.
CHRONIC:NOT DETERMINED BUT NOT CONSIDERED A SERIOUS HAZARD. DRYING
ACTION OF MATL CAN CAUSE IRRIT OF MUC MEMB
RANES OF NOSE, THORAT &
IRRIT SKIN.
Explanation of Carcinogenicity:PER MSDS:PRODUCT NOT LISTED ON
IARC,NTP,OSHA.
Effects of Overexposure:NONE SPECIFIED BY MFG.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MFG.

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

First Aid:EYES:IMMED WASH W/LARGE AMTS OF WATER OCCASIONALLY LIFTING
UPPER/LOWER EYELIDS. GET MED ATTN IMMED. SKIN:WASH W/SOAP & WATER.
INGEST:MATERIAL WILL PASS THROUGH BODY NORMALLY. INHAL:REM
OVE TO
FRESH AIR .

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:NONE SPECIFIED BY MFG. HOWEVER USE APPROPRIATE
EXTINGUISHING MEDIA FOR SURROUNDING FIRES.
Fire Fighting Procedures:NONE SPECIFIED BY MFG. HOWEVER USE APPROPRIATE
PERSONNEL PROTECTIVE EQUIPMENT AS CONDITIONS WARRANT.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MFG.

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

Spill Release
Procedures:SWEEP OR VACUUM UP OR FLUSH TO SEWER.

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

Handling and Storage Precautions:PAPERBAGS-CONTAINERS. KEEP TIGHTLY
SEALED TO PROTECT QUALITY.USERS OF GRANULAT SILICA GEL SHOULD AVOID
PROLONGED BREATH DUST/CONTACT W/DUST W/SKIN.
Other Precautions:WHEN POURING INTO CONTAINER OF FLAMMABLE LIQ GROUND
BOTH CONTAINERS ELECTRICALLY TO PREVENT STATIC ELECTRIC SPARK.
SPECIAL INFORMATION FOR THE NATIONAL PAINT & COATIN

GS ASSOCIATION

RATING-HEAL=0,FLAMM =0,REACT=0,PERS PROT=E.

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

Respiratory Protection:IF DUSTY CONDITIONS PREVAIL WEAR PROPERLY FITTED
NIOSH-APPROVED DUST RESPIRATOR CHOSEN BASED ON EXPOSURE LEVELS.

Ventilation:NONE SPECIFIED BY MFG.

Protective Gloves:CLOSE-WEAVE COTTON W/TIGHT-FIT WRISTLETS

Eye Protection:GOGGLES.

Other Protective Equipment:WEAR LONG SLEEVES.

Work Hygienic Practices:WASH HANDS AFTER HANDLING.

Supplemental

Safety and Health

PH IN 5% SLURRY:APPROX 3.5-8.0 DEPENDING ON GRADE.BULK DENS:APPROX 45-48

LBS/FT3 DEPENDING ON GRADE.GRANULAR SILICA GEL IS FINE-SIZE SYN

AMORPHOUS SILICA NOT TO BE CONFUSED W/CRYSTALLINE SILICA SUCH AS

QUARTZ,CRISTOBALITE,TRIDYMITE,DIATOMACEOUS EARTH,OR OTHER NATURALLY

OCCURRING FORMS OF AMORPHOUS SILICA FREQ HAVE CRYST

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

HCC:N1

Spec Gravity:2.1

pH:SUPPLE

Solubility in Water:INSOLUBLE

Appearan

ce and Odor:DRY WHITE GRANULES, ODOR-NONE.

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

Stability Indicator/Materials to Avoid:YES

REACTS WITH HF.

Stability Condition to Avoid:NONE SPECIFIED BY MFG.

Hazardous Decomposition Products:NONE SPECIFIED BY MFG.

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

Waste Disposal Methods:LANDIFLL IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. COVER PROMPTLY TO AVOID BLOWING OF DUST.
AGRANULAR SI

LICA GEL IS NOT KNOWN TO HAVE ANY ADVERSE EFFECT ON
AQUATIC ENVIRONMENT. IT IS IN SOLUBLE & NON-TOXIC.

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