

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

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Product Identification  
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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

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Composition/Information on Ingredients  
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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

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===== 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.  
CHRNIC:NOT DETERMINED BUT NOT CONSIDIERED 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.

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===== 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 .

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===== 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.

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

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

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===== 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.

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===== 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 DEPENING 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

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

HCC:N1

Spec Gravity:2.1

pH:SUPPLE

Solubility in Water:INSOLUBLE

Appearan

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

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===== 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.

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

Waste Disposal Methods:LANDIFLL IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. COVER PROMPTLY TO AVOID BLOWING OF DUST.  
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LICA GEL IS NOT KNOWN TO HAVE ANY ADVERSE EFFECT ON  
AQUATIC ENVIRONMENT. IT IS IN SOLUBLE & NON-TOXIC.

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