

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- SILICA GEL -- 6850-01-036-9625

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Product Identification  
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Product ID:SILICA GEL

MSDS Date:06/15/1995

FSC:6850

NIIN:01-036-9625

MSDS Number: CFKSC

=== 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 Num:410-659-9000

Eme

rgency Phone Num:410-659-9058/301-874-2009(J.CONVEY)

CAGE:16210

=== Contractor Identification ===

Company Name:DRESSER INDUSTRIES, INSTRUMENT DIV.

Address:250 E MAINT ST

Box:City:STRATFORD

State:CT

ZIP:06497-5145

Country:US

Phone:203-385-0472

CAGE:38056

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

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Composition/Information on Ingredients  
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Ingred Name:AMORPHOUS SILICA GEL (FORMERLY CAS # 63231-67-4)  
CAS:112926-00-8  
RTECS #:VV7322000  
Fraction by Wt: 99.0%  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSH  
A:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY  
TRACT. ACUTE- CONSIDERED TO BE A NUISSANCE DUST. HAS LOW POTENTIAL  
FOR ADVERSE HEALTH EFFECTS. EYES/SKIN:MAY CAUSE MECHANICAL  
IRRITATION. INHALE:DUSTS MAY CAUSE RE SPIRATORY TRACT IRRITATION.  
ORAL:LOW TOXICITY. CHRONIC- UNKNOWN.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, COUGH, TEARING, REDNESS  
Medical Cond Aggravated by Exposure:NONE

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First Aid Measure  
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First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH  
AIR. EYES:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN.  
SKIN:FLUSH WITH PLENTY OF WATER. ORAL:RINSE OUT MOUTH WITH WATER.  
MATERIAL WIL L PASS THROUGH BODY NORMALLY.

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Fire Fighting Measures  
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Flash Point:NONE  
Lower Limits:NOT RELEVANT  
Upper Limits:NOT RELEVANT  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
FOR S

URROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. CAREFULLY SWEEP OR VACUUM THE SPILL AREA. COLLECT AND PLACE THE SPILLED MATERIAL IN A WASTE DISPOSAL CONTAINER. AVOID DUSTING.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY PLACE, IN TIGHTLY CLOSED CONTAINER, AWAY FROM HYDROFLUORIC ACID. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:WEAR GOGGLES IF DUST CAUSES EYE DISCOMFORT. WEAR A PROPERLY FITTED NIOSH-APPROVED DUST RESPIRATOR FOR DUSTY CONDITIONS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES AND SKIN. AVOID INHALING DUST.

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

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL DUST CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST RESPIRATOR SHOULD BE WORN. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO COMPLY WITH OSHA 29CFR 1910.134.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:COTTON/RUBBER/LATEX RECOMMENDED

Eye Protection:SAFETY GOGGLES FOR DUSTY CONDITIONS

Other Protective Equipment:LONG SLEEVE WORK CLOTHING, EYE WASH FOUNTAIN

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

PERCENTAGE DIFFERENT. PH IN 5% SLURRY: 3.5 - 8.5, PER MSDS.

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

HCC:V7

NRC/State Lic Num:NOT RELEVANT

Spec Gravity:2.1

Viscosity:NOT RELEVANT

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aporation Rate & Reference:NOT RELEVANT  
Solubility in Water:INSOLUBLE  
Appearance and Odor:DRY WHITE GRANULES, POWDER OR BEADS

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

Stability Indicator/Materials to Avoid:YES  
HYDROFLUORIC ACID  
Stability Condition to Avoid:NONE

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

Waste Disposal Methods:LANDFILL IN ACCEPTABLE MANNER, IN FULL  
COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REUSING OR  
RECYCLING IS RECOMMENDED.

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particular situation.