

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- SILICA GEL -- 6850-01-209-4437

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Product Identification  
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Product ID:SILICA GEL

MSDS Date:10/01/1992

FSC:6850

NIIN:01-209-4437

MSDS Number: BSDGQ

=== 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:301-659-9000

Eme

rgency Phone Num:301-659-9058(O)/301-874-2009(H)

Preparer's Name:J.H.CONVEY

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 SPECIFIED

OSHA PEL:6 MG/M3

ACGIH TLV:10 MG/M3

Ingred Na

me:WATER (MOISTURE)  
CAS:7732-18-5  
RTECS #:ZC0110000  
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====  
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS EST.> 31,600 MG/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:THE DRYING ACTION OF THIS MATERIAL CAN CAUSE IRRITATION OF THE MUCOUS MEMBRANES OF THE NOSE AND THROAT & IRRITATION OF THE SKIN. SILICA GEL IS A SYNTHETIC AMORPHOUS SILICA NOT TO BE CONFUSED WITH CRYSTALLINE SILICA.EPIDEMIOLOGICAL STUDIES INDICATE LOW POTENTIAL FOR ADVERSE HEALTH EFFECT.  
Effects of Overexposure:IRRITANT TO NOSE, THROAT & SKIN. INHALATION TOXICITY IS LOW. DO NOT INHALE DUST.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====  
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First Aid:EYE:IMMEDIATELY WASH FROM EYES WITH LARGE AMOUNTS OF WATER, OCCASIONALLY LIFTING UPPER & LOWER EYE LIDS. IF IRRITATION OCCURS & PERSISTS, SEEK MEDICAL ATTENTION. SKIN:WASH WITH SOAP & WATER. INGEST:MATERIAL WILL PASS THROUGH BODY NORMALLY.INHALE:REMOVE TO FRESH AIR.

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===== Fire Fighting Measures =====  
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Flash Point:NON-FLAMMABLE  
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.  
Unusual Fire/Explosion Hazard:NON-FLAMMABLE.

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===== Accidental Release Measures =====  
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Spill Release Procedures:SWEEP UP OR VACUUM UP OR FLUSH TO SEWER.  
Neutralizing Agent:NONE

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===== Handling and Storage =====  
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Handling and Storage Precautions:KEEP TIGHTLY SEALED TO PROTECT QUALITY.  
Other Precautions:NOT KNOWN TO HAVE ANY ADVERSE EFFECTS ON THE AQUATIC ENVIRONMENT. IT IS INSOLUBLE AND NON-TOXIC.

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===== Exposure Controls/Personal Protection =====  
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Respiratory Protection:IF DUSTY CONDITIONS PREVAIL, U

SE OF AN APPROVED

NIOSH/MSHA DUST MASK IS RECOMMENDED.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:LONG SLEEVE & CLOSE-WEAVE COTTON GLOVES.

Eye Protection:NONE SPECIFIED BY MANUFACTURER.

Other Protective Equipment:TIGHT FITTING WRISTLETS.

Work Hygienic Practices:WASH AFTER HANDLING.

Supplemental Safety and Health

NONE.

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

HCC:N1

Spec Gravity:2.1

pH:3-8

Solubility in Water:INSOLUBLE

Appearance and Odor:DRY W

HITE GRANULES, BEADS OR POWDER. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

REACTS WITH HF (HYDROGEN FLUORIDE).

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSE IN AN APPROVED LANDFILL ACCORDING TO  
FEDERAL, STATE AND LOCAL REGULATIONS. COVE  
R PROMPTLY TO AVOID  
BLOWING OF DUST.

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