

W R GRACE & CO., DAVISON CHEMICAL DIVISION -- PACKAGED ADSORBENTS,  
GRADE:PROTECK-SORB -- 6850-00-935-9793

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

Product ID:PACKAGED ADSORBENTS, GRADE:PROTECK-SORB

MSDS Date:12/01/1993

FSC:6850

NIIN:00-935-9793

MSDS Number: BYCML

=== 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

Emergency Phone Num:301-874-2009/410-659-9058

CAGE:MO307

=== 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

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:MO307

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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  
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LD50 LC50 Mixture:48HR ORAL,RAT LD50 EST>31600MG/K(SUPPLE)  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:DRYING ACTION OF MATL CA  
N CAUSE MUC  
MEMB OF NOSE/THROAT & SKIN IRRIT. NOT CONSIDERED AN OCULAR  
IRRITANT.  
Explanation of Carcinogenicity:PER MSDS:THIS PRODUCT & ITS COMPONENTS  
ARE NOT LISTED ON IARC/NTP/OSHA CARCINOGENS LISTS.  
Effects of Overexposure:DRYING OF MUCOUS MEMBRANE OF NOSE/THROAT/SKIN,  
IRRITATION.  
Medical Cond Aggravated by Exposure:DAVISON KNOWS OF NO MEDICAL  
CONDITONS ABNORMALLY AGGRAVATED BY EXPOSURE TO SILICA GEL.

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First Aid Measures  
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irst Aid:EYE:IMMED WASH W/LG AMTS OF WATER.OCCASIONALLY LIFTING  
EYELIDS.IRRIT OCCURS/PERSISTS SEEK MED ATTN. SKIN:WASH  
W/SOAP/WATER. INGEST:MATL WILL PASS THROUGH BODY NORMALLY.  
INHAL:REMOVE TO FRESH AIR.

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Fire Fighting Measures  
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Flash Point:NON-FLAMMMABLE  
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER. HOWEVER USE  
APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATERIALS.  
Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTUR  
ER. HOWEVER USE  
PPE AS CONDITIONS WARRANT.  
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage  
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Handling and Storage Precautions:AVOID PROL DUST BREATH/CONTACT  
W/SKIN.KEEP TIGHTLY SEALED TO PROTECT QUALITY.PROTECK-SORB GRADES  
ARE PACKAGED SILICA GELS.  
Other Precautions:SYNTHE

TIC AMORPHOUS SILICA SHOULD NOT BE CONFUSED  
W/CRYSTALLINE SILICA SUCH AS QUARTZ,CRISTOBALITE OR TRIDYMITE OR  
W/DIATOMACEOUS EARTH OR OTHER NATURALLY OCCURING FORMS OF AMORPHOUS  
SILICA THAT FREQU ENTLY CONTAIN CRYSTALLINE FORMS.

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

Respiratory Protection:IF DUSTY CONDITIONS PREVAIL WEAR PROPERLY FITTED  
NIOSH-APPROVED DUST RESPIRATORY.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:CLOSE-WEAVE COTTON

W/TIGHT FIT WRISTLETS

Eye Protection:GOGGLES IF DUST CAUSES EYE DISCOMFORT.

Other Protective Equipment:WEAR LONG SLEEVES,CLOSE-WEAVE COTT

Work Hygienic Practices:WASH HANDS AFTER HANLDING.

Supplemental Safety and Health

PH IN 5% SLURRY:APPROX 3.8-4.1 (SILICA GEL). LD50 FOR FINELY GROUND  
SILICA GEL.

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

HCC:T6

Spec Gravity:2.1

pH:SUPPLM

Solubility in Water:INSOLUBLE.

Appearance and Odor:WHITE GRANULAR OR BEAD SILICA GEL, WITH  
NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

REACTS W/HF.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER. HOWEVER  
AVOID GENERATING/ACCUMULATING DUST.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:NOT KNOWN TO HAVE ANY ADVERSE EFFECT ON AQUATIC  
ENVIRONEMNT.DISPOSE IN APPROVED LANDFILL ACCOR

DING TO FED/STATE/LOC

REGS.COVER PROMPTLY TO AVOID BLOWING OF DUST.

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