

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- PROTEK-SORB -- 6850-00-935-9795

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Product Identification  
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Product ID:PROTEK-SORB

MSDS Date:01/01/1989

FSC:6850

NIIN:00-935-9795

MSDS Number: BGXBY

=== 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

E

mergency Phone Num:301-659-9000

Preparer's Name:J.H. CONVEY (MANAGER)

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

Fraction by Wt: 99.7%

OSHA PEL:80 MG/M3 / % SIO2

ACGIH TLV:10 MG/M3

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==== Hazards Identification =====

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:ACUTE: EYE, SKIN & RESPIRATORY TRACT IRRITATION. CHRONIC: THE DRYING ACTION OF THIS MATERIAL CAN CAUSE IRRITATION OF THE MUCOUS MEMBRANES OF THE NOSE AND THROAT AND IRRITATION OF THE SKIN. AVOID PROLONGED BREATHING OF THE DUST OR CONTACT OF DUST WITH THE SKIN.

ONTACT OF DUST WITH THE SKIN.

Explanation of Carcinogenicity:THIS PRODUCT AND ITS COMPONENTS ARE NOT LISTED ON THE IARC, NTP OR OSHA CARCINOGENS LISTS.

Effects of Overexposure:MAY CAUSE EYE, SKIN & RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated by Exposure:MANUFACTURER KNOWS OF NO MEDICAL CONDITIONS ABNORMALLY AGGRAVATED BY EXPOSURE TO SILICA GEL.

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

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

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER

FOG AS REQUIRED BY SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:NONE. NON-FLAMMABLE

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

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

Neutralizing Agent:NONE REQUIRED

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

Handling and Storage Precautions:AVOID PROLONGED

GED BREATHING OF THE DUST

OR CONTACT OF DUST WITH THE SKIN. WHEN HANDLING, WEAR LONG SLEEVES AND CLOSE-WEAVE COTTON GLOVES WITH WRISTLETS.

Other Precautions:WEAR GOGGLES IF DUST CAUSES EYE DISCOMFORT. WEAR A PROPERLY FITTED NIOSH-APPROVED DUST RESPIRATOR FOR DUSTY CONDITIONS.

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

Respiratory Protection:WEAR A PROPERLY FITTED NIOSH/MSHA APPROVED DUST RESPIRATOR IF CONDITIONS ARE DUSTY.

Ventilation:MECHANICAL(GENERAL) VENTILATION IS USUALLY ADEQUATE TO MAINTAIN DUST LEVELS BELOW TLV FOR NUISANCE DUST.

Protective Gloves:CLOSE-WEAVE COTTON WITH TIGHT WRISTLETS

Eye Protection:GOGGLES FOR DUSTY CONDITIONS

Other Protective Equipment:LONG SLEEVED WORK CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER USE AND BEFORE EATING, DRINKING OR SMOKING. VACUUM UP ANY DUST. LAUNDER CLOTHING BEFORE REUSE.

Supplemental Safety and Health

SILICA GEL IS A SYNTHETIC AMORPHOUS SILICA NOT TO BE CONFUSED WITH

CRYSTALLINE SILICA. EPIDEMIOLOGICAL STUDIES INDICATE LOW POTENTIAL FOR ADVERSE HEALTH EFFECTS. SILICA GEL IS CONSIDERED TO BE A NUISANCE DUST. IN THE ACTIVATED FORM, SILICAGEL ACTS AS A DESICCANT & CAN CAUSE A DRYING IRRITATION OF THE MUCOUS MEMBRANES.

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

HCC:N1

Spec Gravity:2.1

pH:3.9 \*

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SMALL INDIVIDUAL PACKETS, NO ODOR

Percent Volatiles by Volume:0.0

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

Stability Indicator/Materials to Avoid:YES

REACTS WITH HF

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:NONE

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

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

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mation is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.