

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- FORMED MOLECULAR SIEVE --
6850-01-300-8122

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

Product ID:FORMED MOLECULAR SIEVE
MSDS Date:10/01/1992
FSC:6850
NIIN:01-300-8122
MSDS Number: BSTZG
=== 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 P
hone Num:301-659-9000;301-659-9058
Emergency Phone Num:301-659-9000;301-874-2009
CAGE:16210

=== Contractor Identification ===

Company Name:AIR DRY CORP OF AMERICA
Address:5297 MAUREEN LN
Box:City:MOORPARK
State:CA
ZIP:93020
Country:US
Phone:805-529-6226
CAGE:01496
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

===== Composition/Information on Ingredients =====

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Ingred Name:SODIUM OXIDE
CAS:1313-59-3
Other REC Limits:NONE RECOMMENDED

Ingred Name:CALCIUM OXIDE
CAS:1305-78-8
RTECS #:EW3100000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:2 MG/M3; 9394

Ingred Name:SILICA GEL
CAS:112945-52-5
RTECS #:VV7310000
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (SARA III)
CAS:1344-28-1
RTECS #:BD1200000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9394

Ingred Name:
KAOLIN
CAS:1332-58-7
RTECS #:GF1670500
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST;9394

Ingred Name:SILICA, CRYSTALLINE - FUSED
CAS:60676-86-0
RTECS #:VV7328000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 RDUST; Z-3
ACGIH TLV:0.1 MG/M3 RDUST;9394

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM OXIDE
CAS:12136-45-7
Other REC Limits:NONE RECOMMENDED

===== Hazards Identificat

ion =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES 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 AND IRRITATION OF THE SKIN.
Explanation of Carcinogenicity:SILICA IS LISTED BY NTP AS "MAY REASONABLY BE ANTICIPATED TO BE CARCINOGENS."
Effects of Overexposure:IF A LARGE QUANTITY OF SIEVE QUICKLY ADSORBS THE EQUILIBRIUM AMOUNTS OF WATER, THE SIEVES CAN BECOME HOT ENOUGH TO CAUSE THERMAL BURNS OF THE SKIN.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

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

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

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

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

Spill Release Procedures:SWEEP UP, TRYING NOT TO GENERATE DUST.

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

Handling and Storage Precautions:WHEN POURING INTO A CONTAINER OF FLAMMBLE LIQUID, GROUND BOTH CONTAINERS ELECTRICALLY TO PREVENT A STATIC ELECTRIC SPARK.
Other Precautions:WILL RELEASE HEAT WHEN ABSORBING WATER.

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

Respiratory Protection:IF DUSTY CONDITIONS PREVAIL, USE OF AN APPROVED NIOSH/MSHA DUST MASK IS RECOMMENDED.
Ventilation:USE WITH ADEQUATE VENTILATION.
Protective Gloves:CLOSE-

WEAVE COTTON GLOVES W/ WRISTLETS

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:LONG SLEAVES.

Work Hygienic Practices:WASH AFTER HANDLING THIS MATERIAL.

Supplemental Safety and Health

NONE

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

HCC:N1

Spec Gravity:2.1

pH:10.4

Solubility in Water:INSOLUBLE

Appearance and Odor:WHITE, GRAY OR TAN BEADS. ODORLESS.

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

Stability Indicator/Materials to Avoid:YE

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REACTS WITH HF AND STRONG ACIDS OR ALKALI.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:FOLLOW ALL LOCAL, STATE AND FEDERAL REGULATIONS.

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