

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- FORMED MOLECULAR SIEVE;GRADE #542 --  
6850-00-167-1676

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

Product ID:FORMED MOLECULAR SIEVE;GRADE #542

MSDS Date:01/01/1990

FSC:6850

NIIN:00-167-1676

MSDS Number: BDFDP

=== Responsible Party ===

Company Name:W R GRACE & CO. DAVISON CHEMICAL DIVISION

Address:10 E BALTIMORE STREET

Box:2117

City:BALTIMORE

State:MD

ZIP:21202-1

630

Country:US

Info Phone Num:301-659-9000;301-659-9058

Emergency Phone Num:301-659-9000;301-874-2009

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

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

Ingred Name:SODIUM ALUMINOSILICATE

CAS:1344-00-9

Other REC Limits:NONE SPECIFIED

Ingred Name:CALCIUM SODIUM

ALUMINOSILICATE

CAS:1344-01-0

Other REC Limits:NONE SPECIFIED

Ingred Name:POTASSIUM SODIUM ALUMINOSILICATE

CAS:12736-96-8

Other REC Limits:NONE SPECIFIED

Ingred Name:KAOLIN

CAS:1332-58-7

RTECS #:GF1670500

Other REC Limits:NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:MOLECULAR SIEVE

Other REC Limits:NONE SPECIFIED

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL RAT LD50 >31,600 MG/KG (48 HRS)

Routes of Entry: In

halation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Effects of Overexposure:IRRITATING TO EYES;PROLONGED CONTACT CAUSES SKIN IRRITATION;INHALATION OF DUST MAY IRRITATE MUCOUS MEMBRANE

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

First Aid:EYES AND SKIN:FLUSH WITH LARGE AMOUNT OF WATER FOR ABOUT 15-20 MINUTES;SEEK MEDICAL ATTENTION IMMEDIATELY.INHALATION:REMOVE TO FRESH AIR;CALL A PHYSICIAN.INGESTION:SEEK MEDICAL ATTENTION

IMMEDIATELY.

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

Flash Point:NONE

Extinguishing Media:CO<sub>2</sub>, FOAM, DRY CHEM.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:NONE NOTED.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;

SWEEP UP OR  
VACUUM AND COLLECT FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. AVOID HEATING OVER 1000F.  
Other Precautions:MOLECULAR SIEVES CAN BUILD UP A STATIC ELECTRIC CHARGE WHEN POURING.PROPER GROUNDING SHOULD BE OBSERVED WHEN POURING FROM A BAG OR DRUM IN THE PRESENCE OF FLAMMABLE VAPORS.

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===== Exposure Controls/Personal Protection =  
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Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST IF ABOVE PEL/TLV.  
Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.  
Protective Gloves:AS REQUIRED  
Eye Protection:SAFETY GLASSES/GOGGLES  
Other Protective Equipment:PROTECTIVE CLOTHINGS.EYE-WASH FACILITIES,SAFETY SHOWER.  
Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST/DUST.WASH THOROUGHLY AFTER EACH USE.  
Supplemental Safety and Health  
AVOID DUST INHALATION.

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

HCC:N1  
Spec Gravity:2.1  
pH:10.4  
Solubility in Water:INSOLUBLE  
Appearance and Odor:WHITE,GRAY,OR TAN,BEADS.

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

Stability Indicator/Materials to Avoid:YES  
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY GIVE OXIDES OF ALUMINUM/SODIUM

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES;DISPOSA

L MUST BE IN

ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

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