

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- FORMED MOLECULAR SIEVE --
6850-00-865-2418

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

Product ID:FORMED MOLECULAR SIEVE

MSDS Date:01/01/1990

FSC:6850

NIIN:00-865-2418

MSDS Number: BSCXQ

=== 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: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:2 MG/M3 TDUST; 9293

ACGIH TLV:10 MG/M3 TDUST

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 31,600 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:YES OSH

A:NO

Health Hazards Acute and Chronic:ACUTE:IRRITATION OF

EYES,SKIN,RESPIRATORY OR G,I.TRACT;REDNESS OR BURNS OF EYES ARE POSSIBLE.

Explanation of Carcinogenicity:CONTAINS UP TO 3% QUARTZ. QUARTZ HAS BEEN CLASSIFIED BY IARC AS A CLASS 2A CARCINOGEN (MSDS).

Effects of Overexposure:IRRITATION OF THE MUCOUS MEMBRANES OF THE NOSE AND THROAT AND IRRITATION OF THE SKIN.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE WORSEN.

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

First Aid:SEEK MEDICAL CARE IF SYMPTOMS PERSIST. EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, OCCASIONALLY LIFTING UPPER & LOWER EYE LIDS. SKIN: WASH WITH SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. INGESTION: MATERIAL WILL PASS THROUGH BODY NORMALLY.

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

Flash Point:NONE

Extinguishing Media:NON FLAMMABLE ; USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighti

ng Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:VACUUM OR SWEEP UP OR FLUSH TO SEWER TREATED FOR SUSPENDED SOLIDS REMOVAL.

===== Handlin
g and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY AND WELL VENTILATED AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:THE COMBINATION OF MOLECULAR SIEVES AND RETAINED PETROCHEMICALS OR GASES CAN BE FLAMMABLE AND TOXIC. CARE SHOULD BE TAKEN TO AVOID SOURCES OF IGNITION AND TO AVOID PERSONAL CONTACT. USE APPROVE METHOD S SUITABLE FOR TOXIC WASTES.

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

Respiratory

Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:LOCAL/GENERAL TO MAINTAIN PEL/TLV.

Protective Gloves:IMPERVIOUS

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;DO NOT EAT,DRINK,SMOKE.

Supplemental Safety and Health

NONE

SPECIFIED BY MANUFACTURER.

===== 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:YES

REACT WITH HF AND STRONG ACIDS OR ALKALI

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:NOT SPECIFIED

===== Disposal Consideration

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Waste Disposal Methods:LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS. COVER TO AVOID BLOWING OF DUST.

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