

SILICA GEL

MSDS Number

BSDGQ

National Stock Number

6850-01-209-4437

Product Name

SILICA GEL

Manufacturer

W R GRACE AND CO DAVISON CHEMICAL DIV

Product Identification

Product ID: SILICA GEL
MSDS Date: 10/01/1992
FSC: 6850
NIIN: 01-209-4437
MSDS Number: BSDGQ

Responsible Party

W R GRACE & CO. DAVISON CHEMICAL DIVISION
10 E BALTIMORE STREET
BALTIMORE , MD 21202-1630
US

Emergency Phone: 301-659-9058(O)/301-874-2009(H)

Info Phone: 301-659-9000

Preparer: J.H.CONVEY

Cage: 16210

Contractor

W R GRACE & CO. DAVISON CHEMICAL DIVISION
2117
BALTIMORE, MD 21202-1630
US
410-659-9000
Cage: 16210

Ingredients

SILICA GEL
CAS: 63231-67-4
RTECS: VV7322000
OSHA PEL6 MG/M3
ACGIH TLV: 10 MG/M3

WATER (MOISTURE)

CAS: 7732-18-5

RTECS: ZC0110000

Hazards

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:THE DRYING ACTION OF THIS MATERIAL CAN CAUSE IRRITATION OF THE MUCOUS MEMBRANES OF THE NOSE AND THROAT & IRRITATION OF THE SKIN. SILICA GEL IS A SYNTHETIC AMORPHOUS SILICA NOT TO BE CONFUSED WITH CRYSTALLINE SILICA.EPIDEMIOLOGICAL STUDIES INDICATE LOW POTENTIAL FOR ADVERSE HEALTH EFFECT.
Effects of Overexposure:IRRITANT TO NOSE, THROAT & SKIN. INHALATION TOXICITY IS LOW. DO NOT INHALE DUST.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

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

Fire Fighting

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

Accidental Release

Spill Release Procedures:SWEEP UP OR VACUUM UP OR FLUSH TO SEWER.
Neutralizing Agent:NONE

Handling

Handling and Storage Precautions:KEEP TIGHTLY SEALED TO PROTECT QUALITY.
Other Precautions:NOT KNOWN TO HAVE ANY ADVERSE EFFECTS ON THE AQUATIC ENVIRONMENT. IT IS INSOLUBLE AND NON-TOXIC.

Exposure Controls

Respiratory Protection:IF DUSTY CONDITIONS PREVAIL, USE OF AN APPROVED NIOSH/MSHA DUST MASK IS RECOMMENDED.
Ventilation:NONE SPECIFIED BY MANUFACTURER.
Protective Gloves:LONG SLEEVE & CLOSE-WEAVE COTTON GLOVES.
Eye Protection:NONE SPECIFIED BY MANUFACTURER.
Other Protective Equipment:TIGHT FITTING WRISTLETS.
Work Hygienic Practices:WASH AFTER HANDLING.
Supplemental Safety and Health
NONE.

Chemical Properties

HCC:N1
Spec Gravity:2.1
pH:3-8
Solubility in Water:INSOLUBLE
Appearance and Odor:DRY WHITE GRANULES, BEADS OR POWDER. NO ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
REACTS WITH HF (HYDROGEN FLUORIDE).
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

Disposal

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

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