

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- DAVISON BLUE INDICATING GEL, GRADES
13,42,43,44,45 -- 6850-00-680-2233

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

Product ID: DAVISON BLUE INDICATING GEL, GRADES 13,42,43,44,45

MSDS Date: 10/01/1992

FSC: 6850

NIIN: 00-680-2233

MSDS Number: BFLHF

=== Responsible Party ===

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

Address: 10 E BALTIMORE STREET

Box: 2117

City:

City: BALTIMORE

State: MD

ZIP: 21202-1630

Country: US

Info Phone Num: 301-874-2009 (HOME)

Emergency Phone Num: 301-659-9058

Preparer's Name: J.H.CONVEY

CAGE: 16210

=== Contractor Identification ===

Company Name: MULTISORB TECHNOLOGIES INC

Address: 325 HARLEM ROAD

Box: City: BUFFALO

State: NY

ZIP: 14224-1893

Country: US

Phone: 716-824-8900

CAGE: 22627

Company Name: SUD-CHEMIE INC/SUB CHEMIE PERFORMANCE PACKAGING DIV

Address: 926 SOUTH 8TH ST (FORMALLY HUMIDIAL)

Box: 610

City: COLTON

State: CA

ZIP: 92324-0610

Country: US

P

hone:909-825-1793
Contract Num:SP0450-99-M-C208
CAGE:00334
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

Ingred Name:COBALT CHLORIDE
CAS:7646-79-9
RTECS #:GF9800000
Fraction by
Wt: 0.9%

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Hazards Identification
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LD50 LC50 Mixture:48 HRS ORAL LD50 RAT:>31,600 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS IRRITATING/DRYING TO EYES,
SKIN, THROAT AND MUCOUS MEMBRANES. COBALT CHLORIDE CAN CAUSE
DERMATITIS.
Effects of Overexposure:IRRITATION OF MUCOUS MEMBRANES OF NOSE/ THROAT
& SKIN.
Medical Cond Aggravate
d by Exposure:AS THE PRIMARY ROUTE OF ENTRY IS
INHALATION, ANY PRE-EXISTING RESPIRATORY CONDITION MAY BE
EXASCERBATED.

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First Aid Measures
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First Aid:EYES:WASH EYES WITH WATER AT ONCE,WHILE LIFTING LIDS.IF
IRRITATION PERSISTS,SEEK MEDICAL ATTENTION.SKIN:WASH WITH SOAP AND
WATER.INGEST:MATERIEL WILL PASS THROUGH THE BODY NORMALLY.INHAL:
REMOVE TO FR ESH AIR.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:NOT FLAMMABLE;USE AGENT SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures:NOT REPORTED.HMIS SUGGESTS TO USE A SELF-CONTAINED BREATHING APPARATUS WHENEVER FIGHTING A CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:NOT REPORTED.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;SWEEP UP OR VACUUM AND COLLECT FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:KEEP TIGHTLY SEALED TO PROTECT QUALITY
Other Precautions:AVOID HEATING OVER 600F;THIS WILL DESTROY DESICCANT PROPERTIES,BUT WILL NOT INTRODUCE SAFETY HAZARDS.GROUND CONTAINERS WHEN TRASFERRING INTO A FLAMMABLE LIQUID.

===== 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:AS REQUIRED

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING-LONG SLEEVES&CLOSE-WEAVE COTTON GLOVES W/ TIGHT-FITTING WRISTLETS. EYE-WASH FACILITIES

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE MIST/DUST.WASH THOROUGHLY AFTER EACH USE;DO NOT EAT,DRINK,SMOKE.

Supplemental Safety and Health
NONE

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

HCC:N1

Spec Gravity:2.1

pH:6.5-7

Solubility in Water:SI02-GEL INSOLUBLE

Appearance and Odor:CLEAR BLUE GRANULES, NO ODOR

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

Stability Indicator/Materials to Avoid:YES
HYDROGEN FLUORIDE.

Stability Condition to Avoid:NONE

Hazardous Decomposition Products:NOT REPORTED

===== Toxicological Information =====

Toxicological Information:COBALT CHLORIDE IS CONSIDERED GENERALLY SA

FE,
ADDED AS A TRACE MINERAL TO ANIMAL FEEDS (10 PPM) BY FDA. 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 SILICA GEL ACTS AS A DESICCANT AND CAN CAUSE DRYING IRRITATION OF THE MUCOSAL MEMBRANES AND SKIN IN CASES OF SEVERE EXPOSURE. COBALT CHLORIDE CAN CAUSE DERMATITIS AND IRRITATION OF NASAL PASSAGE AND LUNGS.

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===== Ecological Information =====

Ecological:NOT KNOWN TO HAVE ANY ADVERSE EFFECT ON THE AQUATIC ENVIRONMENT. THE SILICA BASE IS INSOLUBLE AND NON-TOXIC. COBALT CHLORIDE MAY LEACH AWAY IF CONTACTED WITH WATER.

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS

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===== MSDS Transport Information =====

Transport Information:DOT: NOT CLASSIFIED AS HAZARDOUS MATERIAL.

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===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT CONTAINS NO TOXIC CHEMICALS IN EXCESS OF THE APPLICABLE DE MINIMIS CONCENTRATION AS SPECIFIED UNDER SEC 313 OF THE TITLE III SARA.

Federal Regulatory Information:NOT A FOOD GRADE PRODUCT (FDA).

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===== Other Information =====

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