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W R GRACE & CO. DAVISON CHEMICAL DIVISION -- DAVISON BLUE INDICATING GEL GR 13,42,43,44 -- 6850-01-213-1235

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

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

MSDS Date:01/01/1990

FSC:6850

NIIN:01-213-1235

MSDS Number: BJJJR

=== Responsible Party ===

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

Address:10 E BALTIMORE STREET

Box:2117

City:BALTIMORE

St

ate:MD

ZIP:21202-1630

Country:US

Info Phone Num:301-659-9000

Emergency Phone Num:301-659-9058

CAGE:16210

=== Contractor Identification ===

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

Phone:909-825-1793

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

CAG

E:16210

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

Ingred Name:SILICA GEL  
CAS:112926-00-8  
RTECS #:VV7322000  
OSHA PEL:6 MG/M3 T DUST  
ACGIH TLV:10 MG/M3

Ingred Name:COBALT CHLORIDE  
CAS:7646-79-9  
RTECS #:GF9800000

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

LD50 LC50 Mixture:SEE SUPP DATA  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:AVOID PROLONGED  
BREATHING OF DUST OR  
CONTACT OF DUST W/THE SKIN.THE DRYING ACTION OF THIS MATERIAL CAN  
CAUSE IRRIT OF THE MUCOUS MEMBRANES OF THE NOSE AND THROAT AND  
IRRIT OF THE SKIN.COBA LT CHLORIDE IS CONSIDERED GRAS (GEN  
RECOGNIZED AS SAFE)AS A TRACE MINERAL ADDED TO ANIMAL FEEDS (APPROX  
10 PPM)(SEE EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ: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.  
Medical Cond Aggravated by Exposure:NONE KNOWN BY MANUFACTURER.

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

First Aid:EYES:IMMED WASH FROM EYES WITH LARGE AMTS OF  
WATER,OCCASIONALLY LIFTING THE UPPER AND LOWER EYE LIDS. IF  
IRRITATION OCCURS AND PERSISTS, GET MD.SKIN: WASH WITH SOAP AND  
WATER.INGEST:MATERIAL WILL PASS THROUGH THE BODY NORMALLY.INHAL:  
REMOVE TO FRESH AIR.

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

Flash Point:NONFLAMMABLE

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:NON-FLAMMABLE.

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

Spill Release Procedures:SWEEP OR VACUUM UP.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions

:KEEP TIGHTLY SEALED TO PROTECT

QUALITY.WEAR LONG SLEEVES AND CLOSE-WEAVE COTTON GLOVES W/TIGHT-FITTING WRISTLETS.

Other Precautions:WHEN POURING INTO CONTAINER OF FLAMMABLE LIQUID,GROUND BOTH CONTAINERS ELECTRICALLY TO PREVENT A STATIC ELECTRIC SPARK.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED DUST RESPIRATOR IF DUSTY CONDITIONS PREVAIL.

Ventilation:NONE SPECIFIED BY MANUFACTURER.CONSULT LOCAL SAFETY/HEALTH

AUTHORITIES IF ADDITIONAL GUIDANCE IS NECESSARY .

Protective Gloves:CLOSE-WEAVE COTTON GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES

Other Protective Equipment:TIGHT FITTING WRISTLETS ON GLOVES AND LONG SLEEVES.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

SOL IN H<sub>2</sub>O:SILICA GEL BASE INSOLUBLE,COBALT CHLORIDE MAY LEACH OUT.LD<sub>50</sub>-LC<sub>50</sub> MIX:LD<sub>50</sub> (ORAL)EST.>31,600 MG/KG (RAT),LD<sub>50</sub> (DERMAL) EST.>2000 MG/KG (RABBIT).CONSIDERED AN OCULOR

IRRITANT. PH: IN 5%

SLURRY-APPROX 6.5 - 7.5.

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

Spec Gravity:2.1

pH:SUPDAT

Solubility in Water:SEE SUPP DATA

Appearance and Odor:NO ODOR, CLEAR BLUE GRANULES

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

Stability Indicator/Materials to Avoid:YES

REACTS WITH HF.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

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

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