

W R GRACE & CO. DAVISON CHEMICAL DIVISION -- 5008;DAVISON BLUE INDICATING GEL --
6850-00-260-6299

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

Product ID:5008;DAVISON BLUE INDICATING GEL
MSDS Date:06/15/1995
FSC:6850
NIIN:00-260-6299
MSDS Number: CCLPX
=== Responsible Party ===
Company Name:W R GRACE & CO. DAVISON CHEMICAL DIVISION
Address:10 E BALTIMORE STREET
Box:2117
City:BALTIMORE
State:MD
ZIP:21202-16
30
Country:US
Info Phone Num:410-659-9000;410-659-9058
Emergency Phone Num:410-659-9000 301-874-2009
Preparer's Name:J.H. CONVEY
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:SILICA GEL
CAS:63231-67-4
RTECS #:VV7322000
Fraction by Wt: 99.7%
Oth

er REC Limits:NONE RECOMMENDED
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%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG C0/M3
ACGIH TLV:0.05 MG C0/M3

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

LD50 LC50 Mixture:TLV FOR SILICA GEL IS 10MG/M*3
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chroni
c:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION.INGEST:MAY CAUSE GI TRACT
IRRITATION.INHAL:MATERIAL WILL PASS THROUGH BODY NORMALLY.
Explanation of Carcinogenicity:CRYSTALLINE SILICA DOES NOT OCCUR IN
SYNTHETIC SILICA GEL.
Effects of Overexposure:IRRITATION,DRYING.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND
WATER.EYES
:FLUSH WITH WATER FOR 15 MINUTES.IF IRRITATION
OCCURS,SEEK MEDICAL ATTENTION.INHAL:REMOVE TO FRESH
AIR.INGEST:MATERIAL WILL PASS THROUGH BODY NORMALLY.

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

Flash Point:NONE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING ANY CHEMICAL FIRE(HMIS).
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY

MANUFACTURER.

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

Spill Release Procedures:SWEEP OR VACUUM;DO NOT CREATE DUST;PLACE IN AN APPROPRIATE CONTAINER FOR DISPOSAL.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HF.

Other Precautions:GROUND CONTAINERS WHEN POURING INTO A CONTAINER OF FLAMMABLE LIQUID.THIS IS NOT A FOOD GRADE PRODUCT;SPECIFY FP GRADE OF SYLOID FOR FOOD USE.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/PARTICULATES.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:CLOSE WEAVE COTTON W/WRISTLETS.

Eye Protection:DUST-PROOF GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:EXECISE GOOD LABORATORY PRACTICES.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

COCL*2 SUBLIMES.PH IS SLURRY IS 6.5-7.5.SILICA GEL BASE IS INSOLUBLE;COBALT CHLORIDE MAY LEACH OUT.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:SUPPL

Spec Gravity:2.1

pH:SU

PPL.

Solubility in Water:SUPPL.

Appearance and Odor:CLEAR BLUE GRANULES.

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

Stability Indicator/Materials to Avoid:YES

REACTS WITH HYDROGEN FLUORIDE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULA
TIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.