

FISHER SCIENTIFIC, CHEMICAL DIV. -- SILICA GEL DESICCANT GRADE 42,43,44,45402 --
6850-00-050-0676

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

Product ID:SILICA GEL DESICCANT GRADE 42,43,44,45402
MSDS Date:11/11/1997
FSC:6850
NIIN:00-050-0676
MSDS Number: CGLQQ
=== Responsible Party ===
Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.
Address:1 REAGENT LANE
City:FAIRLAWN
State:NJ
ZIP:07410
Country:US
Info Phone Num:201-796-7100 OR 201-796-7523
Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)
CAGE:1B464
=== Contractor Identification ===
Company Name:FISHER SCIENTIFIC CO
Address:2000 PARK LN
Box:City:PITTSBURGH
State:PA
ZIP:15275
Country:US
Phone:412-490-8586
CAGE:22527
Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV
Address:1 REAGENT LANE
Box:City:FAIRLAWN
State:NJ
ZIP:07410-2802
Country:US
Phone:201-796-7100
CAGE:1B464

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

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 CO/M3
ACGIH TLV:0.05 MG CO/M3

Ingred Name:SILICA,AMORPHOUS,PRECIPITATED/AMORPHOUS SILICA GEL
(FORMERLY CAS # 63231-67-4)
CAS:112926-00-8
RTECS #:VV7322000
Fraction by Wt: >99%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES
Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &
GI TRACTS. ACUTE- EYES/SKIN:MAY CAUSE MECHANICAL IRRITATION.
INHALE:DUSTS MAY CAUSE RESPIRATORY TRACT IRRITATION. ORAL:MAY CAUSE
IRRITATION OF GASTROINTESTINAL T RACT. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, COUGH, TEARING, REDNESS
Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY A
GGRAVATE
EXISTING MEDICAL CONDITIONS SUCH AS RESPIRATORY AILMENTS.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP &
WATER. ORAL:IF CONSCIOUS & ALERT, DRINK 2-4 CUPFULS OF MILK OR
WATER. CONSULT PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSO

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. CAREFULLY SWEEP OR VACUUM THE SPILL AREA. COLLECT AND PLACE THE SPILLED MATERIAL IN A WASTE DISPOSAL CONTAINER. AVOID DUSTING.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY PLACE, IN TIGHTLY CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:WEAR GOGGLES IF DUST CAUSES EYE DISCOMFORT. WEAR A

PROPERLY FITTED NIOSH-APPROVED DUST RESPIRATOR FOR DUSTY CONDITIONS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES AND SKIN. AVOID INHALING DUST.

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

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL DUST CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST RESPIRATOR SHOULD BE WORN. IF RESPIRATORS ARE USED, A PROGRA

M SHOULD BE INSTITUTED TO COMPLY WITH OSHA 29CFR 1910.134.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS (6 MG/M3 FOR AMORPHOUS SILICA).

Protective Gloves:COTTON/RUBBER/LATEX RECOMMENDED

Eye Protection:SAFETY GOGGLES FOR DUSTY CONDITIONS

Other Protective Equipment:LONG SLEEVE WORK CLOTHING, EYE WASH FOUNTAIN

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING

Supplemental Safety and Health

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

HCC:V7
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:4046F,2230C
Melt/Freeze Pt:M.P/F.P Text:3110F,1710C
Vapor Pres:NEGLIGIBLE
Vapor Density:2.08
Spec Gravity:2.2 - 2.6
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:INSOLUBLE
Appearance and Odor:CLEAR, BLUE SOLID - ODORLESS

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

Stability Indicator/Materials to Avoid:YES
FLUORIDES, HYDROCHLORIC ACID, STRONG OXIDIZING AGENTS, VINYL ACETATE
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:SILICON OXIDE

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

Waste Disposal Methods:LANDFILL IN ACCEPTABLE MANNER, IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REUSING OR RECYCLING IS RECOMMENDED.

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