

CABOT CORP CAB-O-SIL DIV -- CAB-O-SIL UNTREATED FUMED SILICA -- 9620-00-512-0765

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

Product ID:CAB-O-SIL UNTREATED FUMED SILICA

MSDS Date:01/01/1993

FSC:9620

NIIN:00-512-0765

MSDS Number: BSVQC

=== Responsible Party ===

Company Name:CABOT CORP CAB-O-SIL DIV

Box:188

City:TUSCOLA

State:IL

ZIP:61953-0188

Country:US

Info Phone Num:217-253-3370/800-222-6745

Emergency Ph

one Num:217-253-3370/800-222-6745

CAGE:LO484

=== Contractor Identification ===

Company Name:CABOT CORP CAB-O-SIL DIV

Box:188

City:TUSCOLA

State:IL

ZIP:61953-0188

Country:US

Phone:217-253-3370/800-222-6745

CAGE:LO484

Company Name:CABOT CORP CARBOSIL DIVISION

Address:700 E. U.S. HIGHWAY 36

Box:City:TUSCOLA

State:IL

ZIP:61953-0188

Country:US

Phone:217-253-3370

CAGE:3F733

Company Name:MCD INDUSTRIES

Address:COLLINS & WILLARD STS

Box:City:PHILADELPHIA

State:PA

ZIP:19134

Country:US

CAGE:34274

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Composition/Information on Ingredients
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Ingred Name:FUMED SILICA, AMORPHOSU, CRYST.-FREE

CAS:112945-52-5

Fraction by Wt: 99%+%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50=5000MG/KG.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE:NONE KNOWN OTHER THAN POSSIBLE

TEMP DISCOMFORT DUE TO I

NHAL OF DUST CONCEN ABOVE PERMISSIBLE

EXPOSURE LIMIT. CHRONIC:CAUSES NO CHRONIC HEALTH EFFECTS PER HUMAN STUDIES,HOWEVER,SOME RESEARCHERS B ELIEVE THAT CHRONIC INFLAMM,LUNG FIBROSIS & LUNG TUMORS CAN OCCUR FROM EXPOSURE TO LEVELS OF INSOLUBLE DUST ABOVE 6MG/M3

Effects of Overexposure:EXPOSURE ABOVE INDUSTRY STANDARD OF 6MG/M3

RESULTS IN DUST OVERLOAD PHENOMENON WHICH IS DUE TO LUNG CLEARANCE MECHANISM BEING OVERLOADED. AMORPHOUS FUMED SILICA WAS NOT USED IN THESE RESEA

RCH TESTS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:FLUSH EYES WITH PLENTY OF WATER. FOR INHALATION DISCOMFORT, MOVE VICTIM TO FRESH AIR.

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Fire Fighting Measures
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Extinguishing Media:NONE SPECIFIED BY MANUFACTURER. HOWEVER, USE EXTINGUISHING MEDIA FOR EXISTING SURROUNDING FIRES.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER. H

OWEVER, USE

APPROPRIATE FIRE-FIGHTING EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:DRY POWDERED MATLS CAN BUILD STATIC

ELECTRICAL CHARGES WHEN SUBJECTED TO FRICTION.PROPER PRECAUTIONS WHEN USING PRODUCT IN PRESENCE OF FLAMM/EXPLOSIVE LIQUIDS.

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Accidental Release Measures
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Spill Release Procedures:SPILLED CAB-O-SIL FUMED SILICA IS NOT A

HAZARDUS WASTE UNDER US FEDERAL RCRA REGULATIONS. MAY BE SWEP

T UP

OR VACUUMED FOR NORMAL DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NIOSH APPROVED DUST RESPIRATOR RECOMMENDED FOR CONCENTRATIONS BAVOE 6MG/M3.

Ventilation:ADEQUATE FOR DUSTY ENVIRONMENTS.

Prot

ective Gloves:NOT NECESSARY.

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING & BEFORE EAT/DRINK/SMOKE.

Supplemental Safety and Health

PH=4.0 FOR 4% AQUEOUS SLURRY. HCC CHANGED FROM N1 TO T6 BASED ON CONCERNS INVOLVING TWO INCIDENCES OF RUPTURED BAGS (10 LBS EACH) SPILLING FINE POWDER PRODUCT THAT READILY BECAME AIRBORNE. SOME RESEAR CHERS BELIEVE CHRONIC INFLAMMATION, LUNG FIBROSIS, LUNG

TUMORS CAN OCCUR FROM EXPOSURE TO INSOLUBLE DUST ABOVE 6 MG/M3.

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

HCC:T6

Decomp Temp:Decomp Text:NONE SPECI.

Spec Gravity:2.2

pH:4 SLUR

Evaporation Rate & Reference:NONE SPECIFIED BY MANUFA.

Solubility in Water:INSOLUBLE

Appearance and Odor:FINE WHITE POWDER WITH NO ODOR.

Percent Volatiles by Volume:NONE .

Corrosion Rate:NONE SP.

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

Stability Indicator/Ma

terials to Avoid: YES

NONE SPECIFIED BY MANUFACTURER.

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/LOCAL REGULATIONS.

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