



Factor II, Incorporated

P.O. Box 1339
Lakeside, AZ 85929

Phone:(928) 537-8387
Fax: (928) 537-0893

SAFETY DATA SHEET D-109 Cab O Sil

In Case of Emergency Contact 928-537-8387 Factor II, Inc.

Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this SDS.

To promote safe handling each customer or recipient should: (1) notify and furnish its employees, agents, contractors, customers, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) request its customers to notify their employees, customers and other users of the product of this information.

1. CHEMICAL PRODUCT

PRODUCT NAME: CAB O SIL
CHEMICAL NAME: Amorphous fumed Silica
CHEMICAL FAMILY: Oxide
SYNONYMS: Fumed, Colloidal, Synthetic Silica, Light Anhydrous Silicic Acid
CAS#: Mixture

2. HAZARDOUS INGREDIENTS

%	MATERIAL	CAS#	EINECS No.	CLASSIFICATION
100	SIO ₂	112945-52-5	2315454	Not Classified

3. HAZARDS IDENTIFICATION

EFFECTS OF SINGLE OVEREXPOSURE:

SWALLOWING:

No adverse effects expected.

SKIN ABSORPTION:

No evidence of adverse effects from available information. May cause dry skin.

INHALATION:

May be harmful if inhaled. May cause irritation of respiratory tract at levels above industry standards.

EYE CONTACT:

High concentration may cause mechanical irritation to eyes.

EFFECTS OF REPEATED OVEREXPOSURE:

No injury from silica or dust should occur during reasonable use. If use creates respirable particles, some respiratory system injury may occur.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Individuals with pre-existing respiratory conditions such as asthma or skin conditions such as dermatitis may be at greater risk from exposure to material.

OTHER EFFECTS OF OVEREXPOSURE:



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None currently known.

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING:

Do not induce vomiting. If conscious, rinse mouth with water. If symptoms develop, seek medical attention.

SKIN:

Wash with soap and water. If symptoms develop seek medical attention.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. If symptoms develop, seek medical attention.

EYES:

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persist.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

NOTE: Do not induce vomiting. Emesis of this material may prove difficult due to its high viscosity. Aspiration may cause lung damage.

5. FIRE FIGHTING MEASURES

FLASH POINT: N/A

FLAMMABLE LIMITS IN AIR (by volume):

LOWER: N/A UPPER: N/A

SPECIAL FIRE FIGHTING PROCEDURES:

N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CAB O SIL fumed silica is an inorganic dust and will not create nor support conditions that would result in a dust explosion or fire. Fumed Silica can build up static electrical charges. Do not use in the presence of flammable or explosive gases and liquids.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Spills should be contained. Can be swept or vacuumed for disposal.

WASTE DISPOSAL METHOD:

Dispose of in accordance with all federal, state and local regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Normal precautions common to safe manufacturing practice should be followed in handling and storage.



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Keep container closed, in a cool dry place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE VALUES AND SOURCE:

Silica: 10mg/m³ - 8 hours total dust for particles not otherwise classified.

EYE FACE PROTECTION: Safety glasses are recommended. Goggles may be necessary at high dust concentrations.

VENTILATION: General (mechanical) room ventilation with local ventilation as needed to maintain exposure below established Occupational Exposure Values. Air purifying respirator for particulates may be appropriate to control exposure to dust.

OTHER PROTECTIVE EQUIPMENT: Skin barrier cream application prior to skin exposure may assist in the removal of silica from the skin.

9. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

BOILING POINT: N/A

FREEZING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY (air=1): N/A

EVAPORATION RATE (Butyl Acetate=1): N/A

SOLUBILITY IN WATER (By wt): Insoluble

APPEARANCE: White

ODOR: Odorless

PHYSICAL STATE: Fine white powder

PERCENT VOLATILES (by wt): N/A

Note: The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY: N/A

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

COMPONENT:

Acute Oral LD ₅₀ (mg/kg):	5000 (Rat) Inferred from ingredient hazard(s)
Acute Dermal LD ₅₀ (mg/kg):	Not tested
Acute Inhalation LC ₅₀	>2.08 mg/L (4hr) maximum achievable concentration
Eye	Practically non irritating
Ames Test:	Negative



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Reproductive Toxicity: Not tested

Refer to Section 3 for further discussion of the health hazards associated with this preparation.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Complete information not yet available.
CHEMICAL FATE INFORMATION: Complete information not yet available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

14. TRANSPORT INFORMATION

I.A.T.A. HAZARD CLASSIFICATION: None (not regulated).

15. REGULATORY INFORMATION

STATUS ON SUBSTANCE LISTS:

Not listed as a carcinogen by IARC, NTP, Z OR OSHA

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

CHIP REGULATIONS

Chemicals Hazards Information and Packaging Regulations 1993 requires physical-chemical and health hazard determination of all substances and preparations manufactured, transported, stored, modified, or consumed within the EEC. Components present in this product at a level, which could require reporting under the statute, are:

****NONE****

FEDERAL EPA

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level, which could require reporting under the statute are: ****NONE****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 3-1, and 312). Components present in this product at a level which could require reporting under the statute are: **** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 3 ~ 3). This information must be included in all MDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under this statute are: **** NONE****

INVENTORY STATUS



The ingredients of this product are listed on, or are exempt from listing on, the TSCA inventory.

STATE-RIGHT-TO-KNOW

CALIFORNIA Proposition 65

This product contains no levels of listed substances which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

OTHER INFORMATION

HMIS FORMAT:

Health: 1

Flammability: 0

Reactivity: 0

We believe that the information contained herein is current as of the date of this Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Factor II, Inc., it is the user's obligation to determine the conditions of safe use of the product.
Factor II, Inc. Regulatory Compliance Department