



NFPA FIRE HAZARD SYMBOL™  
See NFPA 704 for detailed explanation.

## Material Safety Data Sheet

No.: 2402

Rev. No.: 9

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HEALTH	* 1
FLAMMABLE	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name(s):** (CELITE® = C; ACID WASHED = AW): AW HYFLO SUPER-CEL® NF, HYFLO SUPER-CEL® NF, AW C501 NF, C501 NF

**Generic Name:** FLUX CALCINED DIATOMACEOUS EARTH

**CAS:** 68855-54-9

**Chemical Name:** SILICA

**EINECS:** 272-489-0

**Manufacturer:** Imerys

**Formula:** SiO<sub>2</sub>

**Address:** 1732 North First Street, Suite 450

**Telephone:** (805) 737-1239

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**State:** CA

**Zip:** 95112

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**International:** +01 (703) 527-3887 (collect)

### 2. HAZARD IDENTIFICATION

**Summary:** THIS PRODUCT CONTAINS CRYSTALLINE SILICA (CS), WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED INHALATION OF CS AS CARCINOGENIC FOR HUMANS (GROUP 1). CS IS LISTED BY NTP AS A KNOWN HUMAN CARCINOGEN. INHALATION OF CS IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE.

**Medical Conditions Which may be Aggravated:** PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS, BUT NOT LIMITED TO BRONCHITIS, EMPHYSEMA AND ASTHMA.

**Target Organ(s):** LUNGS, EYES

**Acute Health Affects:** TRANSITORY UPPER RESPIRATORY OR EYE IRRITATION.

**Chronic Health Affects:** INHALATION OF CRYSTALLINE SILICA HAS BEEN CLASSIFIED BY IARC AS CARCINOGENIC FOR HUMANS (GROUP 1). INHALATION OF CRYSTALLINE SILICA IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE CAUSED BY EXCESSIVE EXPOSURE TO CRYSTALLINE SILICA.

**Primary Entry Route(s):** INHALATION, DUST CONTACT WITH EYES.

**Inhalation:** IRRITATION AND SORENESS IN THROAT & NOSE. IN EXTREME EXPOSURES SOME CONGESTION MAY OCCUR.

**Eyes:** TEMPORARY IRRITATION OR INFLAMMATION.

**Skin Contact:** NA

**Skin Absorption:** NA

**Ingestion:** NOT HAZARDOUS WHEN INGESTED

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS NUMBER:	%	PEL AND TLV (except as noted)
FLUX CALCINED DIATOMACEOUS EARTH (DE) - ACID WASHED	68855-54-9	100	
THIS PRODUCT MAY CONTAIN UP TO 44% CRYSTALLINE SILICA:			
CRISTOBALITE	14464-46-1	<40	.025mg/M <sub>3</sub> RESPIRABLE CRISTOBALITE, ACGIH
QUARTZ	14808-60-7	<4	.025mg/M <sub>3</sub> RESPIRABLE QUARTZ, ACGIH

### 4. FIRST AID MEASURES

**Inhalation:** REMOVE TO FRESH AIR. DRINK WATER TO CLEAR THROAT AND BLOW NOSE TO EVACUATE DUST.

**Eyes:** FLUSH EYES WITH LARGE QUANTITIES OF WATER. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

**Skin Contact:** NA

**Skin Absorption:** NA

**Ingestion:** NA

### 5. FIRE FIGHTING MEASURES

**Flash Point (Method):** NONFLAMMABLE

**NFPA Flammable/Combustible Liquid Classification:** NA

**Flammable Limits:** LEL: NA UEL: NA

**Auto-Ignition Temperature:** NA

**Extinguishing Media:** NA

**Unusual Fire or Explosion Hazards:** NONE

**Special Fire-Fighting Procedure:** NONE

### 6. ACCIDENTAL RELEASE MEASURES

**Procedure for Spill/ Leak:** VACUUM CLEAN DUST WITH EQUIPMENT FITTED WITH HEPA FILTER. USE A DUST SUPPRESSANT SUCH AS WATER IF SWEEPING IS NECESSARY.

### 7. HANDLING AND STORAGE

MINIMIZE DUST GENERATION AND ACCUMULATION. AVOID BREATHING DUST. AVOID CONTACT WITH EYES. SEAL BROKEN BAGS IMMEDIATELY. CONTINUE TO FOLLOW ALL MSDS/ LABEL WARNING WHEN HANDLING EMPTY CONTAINERS.

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Goggles:** GOGGLES OR SAFETY GLASSES WITH SIDESHIELDS ARE RECOMMENDED.  
**Gloves:** NOT NORMALLY REQUIRED.  
**Respirator:** <10X PEL, USE AN N95 QUARTER OR HALF MASK RESPIRATOR; <50X PEL, USE A FULL FACE RESPIRATOR EQUIPPED WITH N95 FILTERS; <200X PEL, USE A POWERED AIR PURIFYING RESPIRATOR (POSITIVE PRESSURE) WITH N95 FILTERS; >200X PEL, USE A FULL FACE, TYPE C SUPPLIED AIR RESPIRATOR (CONTINUOUS FLOW MODE).  
**Ventilation:** USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO KEEP DUST LEVEL BELOW PEL.  
**Other:** Special Considerations for Repair/Maintenance of Contaminated Equipment: INSURE PROPER RESPIRATORY PROTECTION.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and Odor:** FINE WHITE POWDER, NO ODOR.  
**Boiling Point:** NA      **Evaporation Rate ( =1):** NA      **Specific Gravity (water = 1):** 2.3  
**Vapor Pressure:** NA      **Melting Point:** ND      **% Volatile by Volume:** NIL  
**Water Solubility (%):** NEGLIGIBLE      **Vapor Density (Air=1):** NA      **pH:** ND

**10. STABILITY AND REACTIVITY**

MATERIAL IS STABLE.      HAZARDOUS POLYMERIZATION CANNOT OCCUR  
**Chemical Incompatibilities:** HYDROFLUORIC ACID      **Conditions to Avoid:** NONE IN DESIGNED USE.

**11. TOXICOLOGY INFORMATION**

**Summary:** THIS PRODUCT CONTAINS CRYSTALLINE SILICA (CS), WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED CS AS CARCINOGENIC FOR HUMANS (GROUP 1). CS IS LISTED BY NTP AS A KNOWN HUMAN CARCINOGEN. CS IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE.

**12. ECOLOGICAL INFORMATION**

GENERALLY CONSIDERED CHEMICALLY INERT IN THE ENVIRONMENT. USED MATERIAL WHICH HAS BECOME CONTAMINATED MAY HAVE SIGNIFICANTLY DIFFERENT CHARACTERISTICS BASED ON THE CONTAMINANT AND SHOULD BE EVALUATED ACCORDINGLY

**13. DISPOSAL CONSIDERATIONS**

WASTE IS NOT HAZARDOUS AS DEFINED BY RCRA (40 CFR 261). OTHER STATE AND LOCAL REGULATIONS MAY VARY, CONSULT LOCAL AGENCIES AS NEEDED. USED MATERIAL WHICH HAS BECOME CONTAMINATED MAY HAVE SIGNIFICANTLY DIFFERENT CHARACTERISTICS BASED ON THE CONTAMINANTS AND SHOULD BE EVALUATED ACCORDINGLY.

**14. TRANSPORTATION INFORMATION**

**D.O.T. Proper Shipping Name:** EARTH, DIATOMACEOUS, CRUDE OR GROUND      **Hazard Classification:** Not Classified  
**Reportable Quantities:** NA      **UN (United Nations), NA (North America) Number:** NA

**15. REGULATORY INFORMATION**

**OSHA Hazard Communications Standard, 29 CFR 1910.1200:** MATERIAL IS CONSIDERED HAZARDOUS, SEE SECTION 3.  
**RCRA:** THIS MATERIAL IS NOT DEFINED AS HAZARDOUS WASTE PER 40 CFR 261.  
**TSCA:** THIS MATERIAL IS LISTED IN THE TSCA INVENTORY, AND IS NOT OTHERWISE REGULATED BY TSCA SEC. 4, 5, 6, 7 OR 12.  
**CERCLA:** MATERIAL IS NOT REPORTABLE UNDER CERCLA, LOCAL REQUIREMENTS MAY VARY.  
**SARA:** 311/312 HAZARD CATEGORIES -IMMEDIATE AND DELAYED HEALTH, 313 REPORTABLE INGREDIENTS - NONE.  
**Canada:** THIS PRODUCT IS LISTED ON THE DSL.  
**California Proposition 65:** THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.  
**EU (REGULATION (EC) N° ° 1272/2008):** THIS MATERIAL IS LABELED AND SUPPORTED ACCORDINGLY WITH GHS STANDARDS.  
**European Inventory of Existing Chemicals (EINECS):** ALL OF THE COMPONENTS OF THIS PRODUCT ARE INCLUDED ON EINECS.

**16. OTHER INFORMATION**

**Storage Segregation Hazard Classes:** NA  
**Special Handling/Storage:** REPAIR ALL BROKEN BAGS IMMEDIATELY.  
**Special Workplace Engineering Controls:** ADEQUATE VENTILATION TO KEEP DUST LEVEL BELOW PEL.

**GHS CLASSIFICATION AND LABELING (EU)**

NOT CLASSIFIED

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**Revisions Made Since Last Version:** Includes full GHS compliance and format.

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