



NFPA FIRE HAZARD SYMBOL
 See NFPA 704 for detailed explanation.
 * See Section 3 HAZARD IDENTIFICATION

Material Safety Data Sheet

No.: 3541

Rev. No.: 5

Date Revised: 2/15/05



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name(s): DIACTIV 01, DIACTIV 02, DIACTIV HF, DIACTIV QS, KENITE 7.5K

Generic Name: FLUX CALCINED DIATOMACEOUS EARTH
Chemical Name: SILICA
Manufacturer: CELITE CHILE
Address: CASILLA NUMERO 1465, CHACALLUTA KM. 10
City: ARICA **Country:** CHILE

CAS: 68855-54-9
EINECS: 272-489-0
Formula: SiO₂
Telephone: 56 58 214600
Emergency: CHEMTREC - USA: (800) 424-9300
 International: (703) 527-3887 (collect)

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS NUMBER:	%	LPP (Limite Permisible Ponderado)
FLUX CALCINED DIATOMACEOUS EARTH (DE)	68855-54-9	100	SEE BELOW
THIS PRODUCT MAY CONTAIN UP TO 68% CRYSTALLINE SILICA:			
CRISTOBALITE	14464-46-1	< 67	0.04 mg/M ³ RESPIRABLE CRISTOBALITE, CHILE
QUARTZ	14808-60-7	< 1	0.08 mg/M ³ RESPIRABLE QUARTZ, CHILE

3. 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 Effects: TRANSITORY UPPER RESPIRATORY OR EYE IRRITATION.
Chronic Health Effects: 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.

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 Procedures:** NONE

6. ACCIDENTAL RELEASE MEASURES

Procedures 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 WARNINGS WHEN HANDLING EMPTY CONTAINERS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Goggles: GOGGLES OR SAFETY GLASSES WITH SIDESHIELDS ARE RECOMMENDED.

Gloves: NOT NORMALLY REQUIRED.

Respirator: <10X LPP, USE AN N95 QUARTER OR HALF MASK RESPIRATOR; <50X LPP, USE A FULL FACE RESPIRATOR EQUIPPED WITH N95 FILTERS; <200X LPP, USE A POWERED AIR PURIFYING RESPIRATOR (POSITIVE PRESSURE) WITH N95 FILTERS; >200X LPP, USE A FULL FACE, TYPE C SUPPLIED AIR RESPIRATOR (CONTINUOUS FLOW MODE).

Ventilation: USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO KEEP DUST LEVEL BELOW LPP.

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:	9 - 10.5

10. STABILITY AND REACTIVITY

MATERIAL IS STABLE.

Chemical Incompatibilities: HYDROFLUORIC ACID.

HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Conditions to Avoid: NONE IN DESIGNED USE.

11. TOXICOLOGICAL 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 (U.S.A.). 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

THIS PRODUCT DOES NOT REQUIRE SPECIAL TRANSPORT CONDITIONS. PLEASE REFER TO TRANSPORT REGULATIONS FOR ADDITIONAL INFORMATION.

15. REGULATORY INFORMATION

PLEASE REFER TO NATIONAL REGULATIONS FOR SPECIFIC INFORMATION.. ADDITIONAL INFORMATION CAN BE OBTAINED FROM THE INTERNATIONAL ABSTRACT SYSTEM, OR THE MANUFACTURER.

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 LPP.

Prepared/Revised by: CHRIS PAULEY

Title: DIRECTOR, HEALTH & SAFETY SERVICES

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.