



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

Material Safety Data Sheet

No.: 3430

Rev. No: 10

Date Revised: 01/31/2015



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TradeName(s): (CELITE®= C, KENITEO = K) C318,C505, C512, C577 (ALL GRADES), FILTER CELO, STANDARD SUPER CELO (ALL GRADES), K300,K352.

Generic Name: CALCINED DIATOMACEOUS EARTH

CAS: 91053-39-3

Chemical Name: SILICA

EINECS: 293-303-4

Manufacturer: Linjiang Imerys Diatomite Company Ltd

Formula: SiO₂

Telephone: (086) 010-65673068

Address: Unit 805, Block A, Wan Hao Center No.7 Jian Guo Men South Ave,Dong Cheng District, Beijing, PRC, 100005

Emergency: CHEMTREC - USA: (800) 424-9300

International: (703) 527-3887 (collect)

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS NUMBER:	%	PEL AND TLV (except as noted)
CALCINED DIATOMACEOUS EARTH (DE)	91053-39-3	100	
THIS PRODUCT MAY CONTAIN UP TO 10% CRYSTALLINE SILICA:			
CRISTOBALITE	14464-46-1	<4	.025mg/M3 RESPIRABLE CRISTOBALITE, ACGIH
QUARTZ	14808-60-7	< 5	.025mg/W RESPIRABLE QUARTZ, ACGIH

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 maybe 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: <10XPEL USE AN N95 QUARTER OR HALF MASK RESPIRATOR; <50X PEL USE A FULL FACE RESPIRATOR EQUIPPED WITH N95 FILTERS; <200XPEL, USE A POWERED AIR PURIFYING RESPIRATOR (~OSITIVE ~RESSURE) 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 PINK POWDER, NO ODOR.

BoilingPoint:	NA	Evaporation Rate (= 1)	NA	Specific Gravity (water1)	:2.3
VaporPressure:	NA	Melting Point:	ND	%Volatile by Volume:	NIL
WaterSolubility (%) :	NEGLIGIBLE	Vapor Density (Air=1):	NA	pH	6-8

10. STABILITY AND REACTIVITY

MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Chemical Incompatibilities: HYDROFLUORICACID.

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). 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: NOT APPLICABLE

UN (United Nations), NA(North America) Number: NOT APPLICABLE

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.

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)

Warning



H 373: May cause damage to lungs through prolonged or repeated exposure via inhalation

P260: Do not breathe dust

P285: In case of inadequate ventilation wear respiratory protection

P501: Dispose of contents/containers in accordance with local regulation

Prepared/Revised by: IMERYS China 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.