Material Safety Data Sheet

No.: 2595-750 Rev. No.: 6
Date Revised: 04/06/2010

Trade Name(s): CELITE®, CHROMOSORB-750

Generic Name: FLUX CALCINED DIATOMACEOUS EARTH
Chemical Name: SILICA
CAS: 68855-54-9
EINECS: 272-489-0
Formal: \( \text{SiO}_2 \)

Manufacturer: CELITE CORPORATION
Address: P.O. BOX 519
City: LOMPOC State: CA Zip: 93438

Emergency: CHEMTREC - USA: (800) 424-9300
International: (703) 527-3887 (collect)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

INGREDIENT NAME: CAS NUMBER: % PEL AND TLV (except as noted)

FLUX CALCINED DIATOMACEOUS EARTH (DE) SURFACE TREATED WITH DIMETHYLDICHLOROSILANE 68855-54-9 100 SEE BELOW

THIS PRODUCT MAY CONTAIN UP TO 63% CRystalline SILICA:

CRISTOBALITE 14464-46-1 < 60 .025mg/M³ RESPIRABLE CRISTOBALITE, ACGIH

QUARTZ 14808-60-7 < 3 .025mg/M³ RESPIRABLE QUARTZ, ACGIH

2. COMPOSITION/INFORMATION ON INGREDIENTS

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
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

<table>
<thead>
<tr>
<th>Goggles:</th>
<th>GOGGLES OR SAFETY GLASSES WITH SIDESHIELDS ARE RECOMMENDED.</th>
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<tbody>
<tr>
<td>Gloves:</td>
<td>NOT NORMALLY REQUIRED.</td>
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<tr>
<td>Respirator:</td>
<td>&lt;10X PEL, USE AN N95 QUARTER OR HALF MASK RESPIRATOR; &lt;50X PEL, USE A FULL FACE RESPIRATOR EQUIPPED WITH N95 FILTERS; &lt;200X PEL, USE A POWERED AIR PURIFYING RESPIRATOR (POSITIVE PRESSURE) WITH N95 FILTERS; &gt;200X PEL, USE A FULL FACE, TYPE C SUPPLIED AIR RESPIRATOR (CONTINUOUS FLOW MODE).</td>
</tr>
<tr>
<td>Ventilation:</td>
<td>USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO KEEP DUST LEVEL BELOW PEL.</td>
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Other: Special Considerations for repair/maintenance of contaminated equipment: INSURE PROPER RESPIRATORY PROTECTION.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance and Odor:</th>
<th>FINE WHITE POWDER, NO ODOR.</th>
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<tbody>
<tr>
<td>Boiling Point:</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation Rate (</td>
<td>= 1 ) : NA</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>NA</td>
</tr>
<tr>
<td>Melting Point:</td>
<td>ND</td>
</tr>
<tr>
<td>Water Solubility (%)</td>
<td>NEGLIGIBLE</td>
</tr>
<tr>
<td>Specific Gravity (water = 1) : 2.3</td>
<td></td>
</tr>
<tr>
<td>% Volatile by Volume:</td>
<td>NIL</td>
</tr>
<tr>
<td>pH:</td>
<td>ND</td>
</tr>
<tr>
<td>Vapor Density (Air=1) : NA</td>
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## 10. STABILITY AND REACTIVITY

MATERIAL IS STABLE. HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Chemical Incompatibilities: HYDROFLUORIC ACID.

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


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 CATAGORIES -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.

Prepared/Revised by: R. Bruce Coggin, Manager Health & Safety Services, World Minerals, Inc. (805) 737-1239

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.