Material Safety Data Sheet

No.: 2630  Rev. No.: 3  Date Revised: 1/1/01

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name(s): CELKATE® T-21,i500

Generic Name: SYNTHETIC MAGNESIUM SILICATE HYDRATE  CAS: 1343-88-0
Chemical Name: MAGNESIUM SILICATE  EINECS: 215-662-1
Manufacturer: CELITE CORPORATION  Formula: 3MgSiO_4·H_2O
Address: P.O. BOX 518  Telephone: (805) 736-7791
City: LOMPAC  Emergency: CHEMTREC - USA: (800) 424-9300
State: CA  Informational: (703) 527-3587 (collect)
Zip: 93438

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>%[</th>
<th>PEL AND TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYNTHETIC MAGNESIUM SILICATE</td>
<td>1343-88-0</td>
<td>100</td>
<td>SEE BELOW</td>
</tr>
<tr>
<td>THIS PRODUCT MAY CONTAIN UP TO 3% CRYSTALLINE SILICA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>QUARTZ</td>
<td>14808-60-7</td>
<td>&lt; 3</td>
<td>.1mg/M³ RESPIRABLE QUARTZ, OSHA</td>
</tr>
</tbody>
</table>

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): LUNG(S), 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  NFPFA Flammable/Combustible Liquid Classification: NA
Flammable Limits: IFL: 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 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 GRAY 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: 6.5 - 8

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 CRYSSTALLINE 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
DOT/Proper Shipping Name: EARTH, DIATOMACEOUS; GRUDE 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 INVENTORIES AND IS NOT OTHERWISE REGULATED BY TSCA SEC. 4, 5, 6, 7 OR 12.
CERCLA: MATERIAL IS NOT REPORTABLE UNDERR CERCLA. LOCAL REQUIREMENTS MAY VARY.
SARA: 313/312 HAZARD CATEGORIES - IMMEDIATE AND DELAYED HEALTH, 313 REPORTABLE INGREDIENTS - NONE.
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: 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.