



SAFETY DATA SHEET #3190
REVISION #8
DATE REVISED: 05/09/2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name(s): LRA™, LRA II™

Generic Name: SYNTHETIC CALCIUM SILICATE HYDRATE

CAS: 1344-95-2

Chemical Name: CALCIUM SILICATE

EINECS: 215-710-8

Manufacturer: Imerys

Formula: CaSiO₃

Address: 1732 North First Street, Suite 450

Telephone: (805) 735-7791

City: San Jose

State: CA

Zip: 95112

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

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

2. HAZARD IDENTIFICATION

Summary: PROLONGED AND REPEATED EXPOSURE TO EXCESSIVE CONCENTRATIONS OF THIS PRODUCT'S DUST, OR ANY NUISANCE DUST, CAN CAUSE CHRONIC PULMONARY DISEASE. DUST CONTACT WITH EYES MAY CAUSE TEMPORARY SCRATCHINESS OR REDNESS. THIS PRODUCT HAS NOT BEEN CLASSIFIED AS A CARCINOGEN BY NTP OR IARC.

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: PROLONGED AND REPEATED EXPOSURES TO EXCESSIVE CONCENTRATIONS OF PRODUCT DUST, IN EXCESS OF THE PEL/TLV, CAN CAUSE CHRONIC PULMONARY DISEASE.

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)
SYNTHETIC CALCIUM SILICATE	1344-95-2	100	5 mg/M ₃ RESPIRABLE NUISANCE DUST, OSHA 10mg/M ₃ TOTAL NUISANCE DUST, 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 SDS/ 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 TAN/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:	7.5-9.5
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: PROLONGED AND REPEATED EXPOSURE TO EXCESSIVE CONCENTRATIONS OF THIS PRODUCT'S DUST, OR ANY NUISANCE DUST, CAN CAUSE CHRONIC PULMONARY DISEASE. DUST CONTACT WITH EYES MAY CAUSE TEMPORARY SCRATCHINESS OR REDNESS. THIS PRODUCT HAS NOT BEEN CLASSIFIED AS A CARCINOGEN BY NTP OR IARC.					
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: AMORPHOUS ALUMINA SILICATE			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: NOT APPLICABLE.					
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.					
Prepared/Revised by: R. Bruce Coggin, Senior EHS Manager, Imerys Filtration Minerals, (805) 737-1239					
Revisions Made Since Last Version: Includes OSHA Haz Com 2012 compliance and GHS format.					

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