

CERCOA INCORPORATED

P.O. BOX 299 - DRESDEN, NY 14441 - (315) 531-8520 - FAX (315) 531-8397

LENSMAX A

CERIUM OXIDE POLISHING POWDER

PRODUCT BULLETIN

DESCRIPTION:

Lensmax A is a premium grade high performance Cerium Oxide polishing powder suitable for ophthalmic and flat glass applications. Lensmax A may be used at lower concentrations than conventional cerium oxides and is economically priced on a cost-per-pound basis.

SPECIFICATIONS:

Appearance	Buff
Average Particle Size	3.3 - 3.8 μ
Maximum Particle Size	12 μ
pH	7.0 to 8.0
Suspension Treatment	Yes

USAGE:

Lensmax A may be used in concentrations from 3% to 10% in water and is compatible with various felts, urethanes, thermoplastic and Pellon polishing pads on both low and high speed equipment. Lensmax A will exhibit long life in recirculation systems.

PACKAGING:

44 lbs/plastic pail, 36 pails = 1584 lbs. net
55 lbs/box, 36 boxes = 1980 lbs. net
525 lbs/drum, 4 drums = 2100 lbs. net

PRECAUTIONS:

See Material Safety Data Sheet.

05/15/95 - (302)

INC.

TEL No.

407 845 1740 Jun 25.91 16:14 P.01

MATERIAL SAFETY DATA

MSDS NO. 11
PRODUCT CODE NO. (R) LX/SFH/SOT/PMD/PMC/SZB/LMX/ LMB/DHC/LMR/LMZ/CMB/LSC/CO2/ C04

CERCOA, INC.
1365 N. KILLIAN DRIVE
LAKE PARK, FLORIDA 33403
(305) 845-1367

MANUFACTURER: Cerca, Inc. 1365 N. Killian Drive Lake Park, Florida 33403 CONTACT: (305) 845-1367	TRANSPORTATION EMERGENCIES: CALL: (305) 845-1367 (24 HRS. WKDAY9.) (305) 626-4150 (WEEKENDS) HEALTH EMERGENCIES: CALL: (305) 845-1367 (24 HRS. WKDAY8.) (305) 626-4150 (WEEKENDS)
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PRODUCT(S)	Superoxide Peroxide, Calcium Oxide, Barium Oxide, Strontium Oxide, Aluminum Silicate, Fluorides, Silica, Zinc Sulfate, Barium Oxide, Phosphorous Pentoxide P ₂ O ₅ , Thorium Oxide
COMMON NAME	
GENERIC NAME	
CHEMICAL NAME	
CHEMICAL FAMILY	Rare Earth Oxide
DOT PROPER SHIPPING NAME	

WARNING STATEMENTS

WARNING!

THIS MATERIAL CONTAINS SMALL QUANTITIES OF SILICA
PROLONGED OVEREXPOSURE TO DUSTS MAY CAUSE IRREVERSIBLE LUNG
DISEASE.

AVOID BREATHING DUSTS.
USE WITH ADEQUATE VENTILATION.

SECTION I - INGREDIENTS

*Threshold Limit Value Set By: A. OSHA
B. ACGIH C. SEE SECT. III D. OTHER
NE. NOT ESTAB. (Units are in ppm unless
specified otherwise.)

Ingredient	CAS#	TLV	Health Hazard
Rare Earth Oxide	CAS# 68168-83-0	10-65	15 mg/m ³ A
Calcium Oxide	CAS# 1305-78-8	10-15	
Strontium Oxide	CAS# 1314-11-0	1-5	
Aluminum Silicate	CAS# 1332-58-7	1-40	
Fluorides	CAS# 68188-85-2	4-10	2.5 mg/m ³ B
Silica	CAS# 14464-46-1	2 Max.	10 mg/m ³ D
Zinc Sulfate	CAS# 007446-20-0	0-5	
Barium Oxide	CAS# 1304-28-5	2.5-5	
Phosphorous Pentoxide P ₂ O ₅	CAS# 1314-56-3	1-2.5	
Thorium Oxide (6x10 ⁻¹¹ microcurie/ml-Air for natural Thorium)	CAS# 1314-20-1	.1 to .25 max	
8-hr TWA for Total Nuisance Dust		10 CFR, Ch 1, Part 20 App. B.	
8-hr TWA for Total Respirable Dust		10 mg/m ³	B
		5 mg/m ³	B/C

SECTION II- EMERGENCY AND FIRST AID PROCEDURES		EMERGENCY: (407)845-1367 (24 hours) (407)626-4150 (Weekends)
EYE CONTACT	Flush affected eye(s) with clean water. If irritation or redness develops, seek medical attention.	
SKIN CONTACT	Remove contaminated clothing and flush affected area(s) with large quantities of clean water. If irritation or redness develops and persists, seek medical attention.	
INHALATION	If irritation of the nose and throat develops, move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered by qualified personnel. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.	
INGESTION	Do not give anything by mouth. Do not leave victim unattended. If vomiting occurs, or if comatose or lethargic, place victim on the left side with the head down. Seek medical attention immediately.	
SECTION III- PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION		
EYE EFFECTS	Contact with dusts may be abrasive and irritating, causing burning, tearing and redness.	
SKIN EFFECTS	Contact with broken skin may be severely irritating and result in redness, burning, swelling, and skin damage.	
ACUTE EFFECTS	Breathing- Breathing dusts may result in irritation of the nose and throat. Prolonged exposure to dusts in excess of the TLV may result in inflammation of the lungs and, in time, cause silicosis, a progressive serious chronic disease of the lungs. Persons with impaired lung functions or asthma-like conditions may experience additional breathing difficulties due to the irritant properties of this material. Ingestion- Accidental ingestion of dusts may cause irritation of the digestive tract.	
CHRONIC EFFECTS	The very small amount of thorium dioxide in this product is not thought to present a significant health hazard. Thorium dioxide has been identified as a carcinogen by the U.S. National Toxicology Program based on reports of liver cancer in persons given large intravenous injections for diagnostic purposes.	

RECORDING.

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SECTION IV- SPECIAL PROTECTION INFORMATION	
RESPIRATORY PROTECTION	If airborne concentrations exceed recommended exposure limits, a suitable filter-type dust respirator should be worn. (SEE SECTION I)
VENTILATION	If current ventilation practices are not adequate in maintaining airborne concentrations below established exposure limits (SEE SECTION I), additional ventilation or exhaust systems may be required.
PROTECTIVE GLOVES	The use of protective gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.
EYE PROTECTION	Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended.
OTHER PROTECTIVE EQUIPMENT	It is recommended that a source of clean water be available in the work area for flushing eyes and skin.
SECTION V- REACTIVITY DATA	
STABILITY	Stable
CONDITIONS TO AVOID	
INCOMPATIBILITY (MATERIALS TO AVOID)	Will release hydrogen fluoride in contact with strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS	Zinc Sulfate- Decomposes above 1350°F to give SO ₂
HAZARDOUS POLYMERIZATION	Will not occur.
CONDITIONS TO AVOID	
SECTION VI- SPILL OR LEAK PROCEDURES	
<p style="text-align: right;">(HIGHWAY OR RAILWAY SPILLS, CALL: 305-845-1387(24 hrs) 305-626-4158 (weekends))</p>	
PRECAUTIONS IN CASE OF RELEASE OR SPILL	Flush spilled material into suitable retaining areas or containers; water. Refer to SECTION IV for personnel protection.
WASTE DISPOSAL METHOD	Dispose of used product in accordance with applicable local, county, state, and federal regulations.

SECTION VII- STORAGE AND SPECIAL PRECAUTIONS				
HANDLING AND STORING PRECAUTIONS	Avoid breathing or spreading dust. Store in closed container.			
OTHER PRECAUTIONS				
SECTION VIII- FIRE AND EXPLOSION HAZARD DATA				
DOT FLAMMABILITY CLASSIFICATION	Not Regulated	FLASH POINT RANGE		
EXTINGUISHING MEDIA	N/A			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NONE			
FIRE FIGHTING PROCEDURES	The use of NIOSH approved toxic dust respirators is advised.			
SECTION IX- PHYSICAL DATA				
APPROXIMATE BOILING RANGE	VAPOR DENSITY	EVAPORATION RATE	PERCENT VOLATILE N/A	SOLUBILITY IN WATER Nil
SPECIFIC GRAVITY	APPROXIMATE BULK DENSITY			
APPEARANCE AND ODOR	Odorless Buff Powder			
SECTION X- DOCUMENTARY INFORMATION				
PRODUCT CODE NO.(S) KBX/SPH/PHD/PMC/S22/LMX/LMB DNC/LMR/LMZ/CMB/LSC/CO2/CO4	PRODUCT NAME(S) Superox 50/ Superox 100/ Superox 100T/ Superox PMD/ Superox PMC/S2S/ Lenemax A, B,C, R, S/ Cosmax B Lenelite C-85-T/ Cerium Oxide Grade 2 & 4			
ISSUE DATE 05/24/88	REPLACES MSDS NO. 4	PREVIOUS PRODUCT CODE NO.(S) Same as above	PREVIOUSLY ISSUED 04/01/88	
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