

Material Safety Data Sheet


abrasive technology

8400 Green Meadows Dr.
P.O. Box 545
Lewis Center, Ohio 43035-0545 U.S.A.

Crystalite A™

Identity (Trade Name As Used On Label)

24 HOUR EMERGENCY PHONE NUMBER
CHEMTREC North America 800 – 424 – 9300
Outside of North America 703-527-3887 (collect)

P/N :

DOCUMENT P/N :

NON-EMERGENCY PHONE NUMBER
(740) 548-4100
8:00 A.M. – 5:00 P.M.

DATE PREPARED: 11/8/99 By: A. Hier
DATE REVIEWED: 11/00, 3/02, 7/04

EMERGENCY HAZARD RATING

HEALTH: 1

FIRE: 0

REACTIVITY: 0

SPECIFIC HAZARD: none

CHEMICAL NAME	COMMON NAME	REG.* (Y/N)	CAS #	OSHA PEL	ACGIH TLV	CARCI-NOGEN**
Aluminum Oxide	Alumina	Y	1344-28-1	15 mg / m3	10 mg / m3	N

SECTION II: PHYSICAL AND CHEMICAL DATA

BOILING POINT: 2977°C	MELTING POINT: 2050°C	SPECIFIC GRAVITY: 3.98 (H2O = 1)
VAPOR PRESSURE: 1 mm at 2158° C	PERCENT VOLATILE BY VOL: N/A	VAPOR DENSITY: N/A
EVAPORATION RATE: N/A	SOLUBILITY IN WATER: Insoluble	SOLUBILITY IN ALCOHOL: N/A
SOLUBILITY IN OTHER SOLVENT: N/A	APPEARANCE AND ODOR: Powder, white, odorless	

SECTION III: CORROSIVITY AND REACTIVITY DATA

STABILITY: UNSTABLE <input type="checkbox"/> STABLE <input checked="" type="checkbox"/>	POLYMERIZATION: <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR
INCOMPATIBILITY (MATERIALS TO AVOID): Ethylene oxide, Chlorine trifluoride	
DECOMPOSITION PRODUCTS: None known	
CONDITIONS TO BE AVOIDED: Not reactive with Air, Water, Heat, and Oxidizers. Non-corrosive.	

SECTION IV: HEALTH, FIRST AID AND MEDICAL DATA		
PRIMARY ROUTE(S) OF ENTRY:	EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION:	Excessive exposure may cause cough, mucus production, shortness of breath.	Remove victim to fresh air immediately. Obtain medical attention if breathing difficulty persists beyond 15 min.
INGESTION:	This material is not expected to be an ingestion hazard, no known human or animal health effects data exists.	
SKIN:	May cause minor drying of skin. Otherwise this material is not expected to be a skin irritant.	
EYE:	May cause minor eye irritation.	Rinse eyes with water for 20-30 minutes, retracting eyelids often. Obtain medical attention if pain, blinking, tears, or redness persists.
OTHER POTENTIAL HEALTH RISKS:	This material is believed to be a low health risk. Treat as a nuisance dust as specified by the American Conference of Governmental Industrial Hygienists (ACGIN).	

SECTION V: SPECIAL PRECAUTIONS IN HANDLING/STORAGE
<p>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: This material is believed to be a low health risk. Treat as a nuisance dust as specified by the American Conference of Governmental Industrial Hygienists (ACGIN).</p> <p>OTHER PRECAUTIONS: Use with adequate ventilation to meet exposure limits as listed in section I. Where the exposure limit is or may be exceeded, use NIOSH approved respiratory protection. Selection of appropriate respirator (dust respirator) should be based on the actual or potential airborne contaminants and their concentration present.</p>

SECTION VI: FIRE AND EXPLOSION HAZARD DATA
<p>FLASH POINT: N/A METHOD USED: N/A FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A</p> <p>EXTINGUISHING MEDIA: N/A</p> <p>SPECIAL FIRE FIGHTING PROCEDURES: N/A</p> <p>EXPLOSION POTENTIAL: N/A</p>

SECTION VII: SPILL, LEAK AND DISPOSAL PROCEDURES
<p>PRODUCT CLEAN-UP: Sweep or scoop up material.</p> <p>DISPOSAL: Disposal should be in accordance with all applicable local, state, and federal laws and regulations. Dispose by ordinary solid waste methods is recommended, if permissible. Consult your attorney or appropriate regulatory officials for information regarding disposal requirements.</p>

SECTION VIII: REGULATORY INFORMATION
<p>Chemical substance components have been reported to the EPA Office of Toxic Substances in accordance with the requirements of the Toxic Substance Control Act (Title 40 CFR Part 710)</p> <p>For purposes of SARA III reporting, this substance contains no ingredients listed on the CERCLA, Extremely Hazardous, or Section 313 lists.</p> <p>Aluminum Oxide is regulated by SARA Sections 311, 312, solely because it is regulated by OSHA Hazard Communication Standard (29CFR 1910.1200). However, none of the five Hazard categories (SARA 311, 312) are appropriate for this product.</p> <p>D.O.T. Shipping Name, Hazard Class, I.D. # (if applicable): Not Regulated Canadian TDG Hazard Class & PIN: Not Regulated</p>

The information contained herein is based on data considered accurate . However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.