



MATERIAL SAFETY DATA SHEET

Shelf Life Indefinite if kept dry

SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) NO-PAK			
MANUFACTURER'S NAME VAPOR BLAST MFG. CO.		EMERGENCY TELEPHONE NO. (414) 871-6500	
ADDRESS (Number, Street, City, State & Zip Code) 3025 W. ATKINSON AVE., MILWAUKEE, WI 53209		MANUFACTURER'S D-U-N-S NO. 00610-4046	
CHEMICAL NAME Calcium Hydroxide			
CHEMICAL FAMILY Alkaline Earth Hydroxide			
TRADE NAMES SYNONYM Pure Cal, Calcium Hydroxide, Hydrated Lime		Chemical FORMULA Mostly Ca(OH) ₂	

SECTION II – INGREDIENTS

CAS REGISTRY NO.	%w	CHEMICAL NAME (S)	
1305-62-0	>90%	Calcium Hydroxide	
1309-48-4	<2.0%	Magnesium oxide	
1305-78-8	<1.0%	Calcium Oxide	
Calcium Hydroxide is Not Considered To Be Carcinogen By MSHA, IARC, OSHA			

SECTION III – PHYSICAL DATA

BOILING POINT 5162°F 2850 C	SPECIFIC GRAVITY (H ₂ O – 1) 2.2-2.4g/cc	ODOR No Odor	Melting Point 4658 F, 2570 C	FREEZING POINT 2580 C
VAPOR PRESSURE N/A	Density (kg/m ³) 400-700		Material is a Powder	
VAPOR DENSITY (AIR – 1) N/A	EVAPORATION RATE N/A		APPEARANCE White Powder Substance	
SOLUBILITY IN WATER 0 125/100 g Sat. soin	PHYSICAL STATE Solid		pH (25° C) Sat Soin CaO : 12.45	

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FIRE HAZARDS Hydrated Lime is not combustible or flammable. Not an explosion hazard
EXTINGUISHING MEDIA Use dry chemical fire extinguisher or water
HAZARDOUS COMBUSTION PRODUCTS None Identified



A&B Deburring Company

525 Carr Street

Cincinnati, Ohio 45203

PH: (513) 723-0777 Fax: (513) 723-0444

E-Mail: sales@abdeburr.com

SECTION V – HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE Inhalation: Moderate Upper Respiratory Irritant. Eye & Skin: Caustic Chemical Burns	THRESHOLD LIMIT VALUE <input type="checkbox"/> 5 MG/M3 PERMISSION EXPOSURE LIMIT <input type="checkbox"/> ACGTH-1983
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> Skin Contact / <input type="checkbox"/> Inhalation / <input type="checkbox"/> Other (Specify) Irritant Tissue	
EMERGENCY AND FIRST AIR PROCEDURES: Inhalation: Remove Person To Fresh Air. Eye & Skin: Flush Immediately with Water Get Medical Attention. Give Large Quantities Of Water, Do Not Induce Vomiting, Get Medical Attention.	

SECTION VI – REACTIVITY DATA

INCOMPATIBILITY (materials to avoid) Acids, Reactive Fluorinated Compounds, Reactive Brominated Compounds, Reactive Powdered Metals, Organic Acid Anhydrides, Nitro-Organic Compounds, Reactive Phosphorus Compounds.
HAZARDOUS DECOMPOSITION PRODUCTS Will decompose at 540C to form calcium oxide and water
HAZARDOUS POLYMERIZATION None
STABILITY Chemically stable, but reacts slowly with carbon dioxide to form calcium carbonate

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Use Normal Clean-Up Procedure; Sweep Up or Vacuum
WASTE DISPOSAL METHOD Any Approved Solid Waste Site, For Material Of Alkaline Nature
CERCLA (Superfund) REPORTABLE QUANTITY (in lbs) Not Listed
RCRA HAZARDOUS WASTE NO. (40 CFR 261.22) Not Listed

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type) NIOSH Approved Dust and/or Mist Respirator If Dust Is Generated	
VENTILATION	LOCAL EXHAUST (Specify Rate): Local and/or General Recommended If TLV Is Exceeded
	MECHANICAL (General, Specify Rate)
PROTECTIVE GLOVES (Specify Type) Work Gloves Cuff Style To Protect Skin	EYE PROTECTION (Specify Type) Tight Fitting Goggles /Glasses with side shield
OTHER PROTECTIVE EQUIPMENT: Clothing that fully covers skin. Full length pant and long sleeved shirt.	

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep Dry Avoid Excessive Dust Generation, Store in a cool, dry place & well ventilated location.
OTHER PRECAUTIONS: If There Is Any Possibility Of Eye or Skin Contact, A Supply Of Clean Water Should be Available To Flush Affected Area.



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SECTION X – TRANSPORTATION INFORMATION

Hydrated Lime is not classified as a hazardous material by DOT when transported

HMIS

Health Risk 1
Flammability 0
Reactivity 0
Personal Protection E