



MATERIAL SAFETY DATA SHEET

PRODUCT: Powered Chalk , C8B , C8R , C5B , C5R
MANUFACTURER/DISTRIBUTOR: MALCO PRODUCTS, INC.
ADDRESS: 14080 State Hwy 55 NW
PO Box 400
Annandale, Minnesota 55302-0400
EMERGENCY PHONE NUMBER: (803) 797-2500
EFFECTIVE DATE: 1 September 93

SECTION I

PRODUCT INFORMATION

Chemical Family: Metal Carbonate Mixture
Synonyms: Ground limestone, Calcium Carbonate, Chalk
Formula: CaCO_3 mixture
HMIS: Health 1 - slight
Flammability 0 - minimal
Reactivity 0 - minimal
PPE E - glasses, gloves, dust respirator

SECTION II

HAZARDOUS INGREDIENT INFORMATION

Hazard Statement: Crystalline silica which may be present in natural limestone has been reviewed by IARC. IARC found limited evidence for carcinogenicity of crystalline silica in humans and sufficient evidence in experimental animals.

There is no evidence that the products listed on this MSDS are carcinogenic.

SECTION II**HAZARDOUS INGREDIENT INFORMATION**

This product is not considered a carcinogen by IARC, NTP, OSHA or ACGIH. Calcium carbonate is a nuisance particulate. The "have a long history of little adverse effect on lungs and do not produce significant organic disease or toxic effect when exposures are kept under reasonable control." (Quoted from ACGIH-TLV definition).

<u>Component</u>	<u>% Weight</u>	<u>ACGIH-TLV</u>	<u>OSHA PEL</u>
<u>Calcium Carbonate</u> CAS#1317-65-3	>75	5 mg/m ³ nuisance dust	5 mg/m ³ respirable dust
<u>Silica Quartz</u> CAS#14808-60-7	<5	0.1 mg/m ³ respirable dust	0.1 mg/m ³ respirable dust
<u>Misc. color pig- ments and additives</u> CAS# N/A	<20	5 mg/m ³ nuisance dust	5 mg/m ³ total dust

SECTION III**PHYSICAL DATA**

<u>Boiling Point:</u>	N/A	<u>Specific Gravity:</u>	2.65
<u>Vapor Pressure:</u>	N/A	<u>Percent Volatile:</u>	N/A
<u>Vapor Density:</u>	N/A	<u>Evaporation Rate:</u>	N/A
<u>Solubility:</u>	0.001 kg/liter H ₂ O Soluble in dilute acids		
<u>Appearance and odor:</u>	Odorless Powder		

SECTION IV**FIRE AND EXPLOSION HAZARDS**

Flash Point: Nonflammable
Extinguishing Media: Use means suitable for extinguishing surrounding fire
Unusual Fire and Explosion Hazards: Not considered a fire or explosion hazard

SECTION V**HEALTH HAZARD DATA**

Primary Entry Route: Inhalation and Ingestion
Acute Effects: Abrasiveness may irritate eyes and skin
Chronic Effects: No known chronic health effects
Carcinogenicity: NTP? No IARC? No OSHA? No

First Aid
Eye contact: Flush with water for 15 minutes. If irritation persist, seek medical attention.
Skin contact: Wash with soap and water
Inhalation: Remove to fresh air
Ingestion: Drink large quantities of water, induce vomiting. Seek medical attention

SECTION VI**REACTIVITY DATA**

Stability: Stable Conditions to avoid: none known
Incompatibility: Acids, Fluorine, Magnesium with Hydrogen
Decomposition Products: Decomposes above 825°C to emit calcium oxide fumes and carbon dioxide
Polymerization: Will not occur Conditions to avoid: none known

SECTION VII

SPILL, LEAK AND DISPOSAL DATA

Spill & Leak:

Clean up personnel may require respiratory protection for dust. Vacuum or scoop up spilled material for recovery or disposal. Wetting with water spray mist may help minimize airborne dust.

Waste Disposal:

Dispose of in an approved industrial waste landfill. Consult all Local, State, and Federal laws concerning proper disposal.

SECTION VIII

STORAGE, HANDLING, AND USE INFORMATION

General ventilation:

Recommended

Local ventilation:

If needed to maintain TLV levels

Respirator Protection:

OSHA approved dust respirator if needed

Gloves:

Cloth or rubber if needed

Eye Protection:

Glasses with dust shields if needed

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