

MATERIAL SAFETY DATA SHEET



Manufacturer:
Loders Croklaan
24708 W. Durkee Rd
Channahon, IL. 60410

Hazard Rating	None--> High 0 ----> 4
Health	1
Fire	0
Reactivity	0
Personal Protection	1

SECTION 1 - PRODUCT IDENTIFICATION

Product Class: Agglomeration / Granulations
Trade Name: Durkote Modified Calcium Carbonate 58 B
Product Code:
C.A.S. Number: NONE(see components)

SECTION 2 - HAZARDOUS INGREDIENTS

NO HAZARDOUS INGREDIENTS PRESENT

Ingredients	C.A.S. No.	Wt. %	EXPOSURE LIMITS		
			ACGIH/TLV	OSHA/PEL	MMHG(20°C)
Calcium Carbonate	471-34-1	Blend	10 mg/m3	N/Av	N/Av
Powdered Sugar		Blend	N/Av	N/Av	N/Av
Dextrose Monohydrate	5996-10-1	Blend	N/Av	N/Av	N/Av
Microcrystalline Cellulose	9004-34-6	Blend	10 mg/m3	15mg/m3	N/Av
Maltodextrin	9050-38-6	Blend	10 mg/m3	15 mg/m3	N/Av

N.E. = Not Established

N/AV = Not Available

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS (FIRE AND EXPLOSION DATA)

Boiling Point: N/Av Specific Gravity(H2o - 1): N/Av Vapor Density: N/Av

Evap. Rate: N/Av Sol. in H 2 O: N/Av Density: N/Av

Flammability Class: Flash Point: N/Av TCC LEL: N/AV UEL: N/AV

Extinguishing Media: Carbon dioxide - Dry Chemical - Foam

Special Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing

Unusual Fire & Explosion Hazards: Product becomes a flammable dust when finely divided and suspended in air.

N/Av. = Not Available

SECTION 4 - HEALTH HAZARD DATA

Permissible Exposure Level: See Section #2

Effects of Overexposure:

Has this product or any components been listed as a carcinogen or potential carcinogen?

YES () NO (X)

May be an eye/skin irritant in any form.

Chronic exposure to calcium carbonate may result in hypercalcemia, alkalosis and renal impairment. Approximately 70-80% of inhaled calcium carbonate was retained in the lungs. Animal studies suggest inhalation of calcium carbonate dusts may enhance susceptibility to respiratory infection.

Calcium Carbonate: Oral LD50: Rat 6450 mg/kg

First Aid:

INHALATION EXPOSURE:	Remove to fresh air. Seek medical attention.
EYE CONTACT:	Flush with copious amounts of water. Seek medical attention.
SKIN CONTACT:	Wash immediately with soap and water.
SWALLOWING:	Product is not toxic in small amounts.

SECTION 5 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH / MSHA approved respirator if atomized in air.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) Ventilation to minimize exposure.

EYE PROTECTION: Use face shield or safety glasses.

OTHER PROTECTIVE EQUIPMENT: Use impervious gloves

SECTION 6 - REACTIVITY DATA

STABILITY: STABLE (X) UNSTABLE ()

INCOMPATIBILITY: Avoid contact with strong oxidants, acids. Calcium carbonate ignites on contact with fluorine. It is incompatible with acids, alum, ammonium salts and mercury/hydrogen mixtures.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal oxidative decomposition of calcium carbonate can produce calcium oxide.

SECTION 7 - SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this MSDS apply to exposure during clean up of spilled material.

WASTE DISPOSAL: Follow Federal, State and Local guidelines for proper waste disposal.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Handle in accordance with good manufacturing and safety practices. These include avoiding unnecessary exposure and handling. Store in cool, dry, well-ventilated area

OTHER PRECAUTIONS

Avoid getting material into contact with skin and eyes.

SECTION 9 - ADDITIONAL REGULATORY INFORMATION

TSCA - YES

Prop 65 (Carcinogen):

WARNING: This product contains a chemical known to the State of California to cause cancer.

CAS No.

CHEMICAL NAME

NONE

Prop 65 (Tetratogenic):

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CAS No.

CHEMICAL NAME

NONE

Prop 65 (Both Carcinogenic and Tetratogenic):

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

CAS No.

CHEMICAL NAME

NONE

SECTION 10 - ADDITIONAL INFORMATION

The product described herein is a food product manufactured in an FDA regulated facility. All processing, packaging and storage practices comply with the applicable Sections of the Federal Food Drug and Cosmetic Act as amended.

Date Prepared: 4/11/2001

Supersedes: N/A

Telephone Numbers:

Day/Night: (815) 730-5200

LW

THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. USER SHOULD CONSIDER THESE DATA ONLY AS A SUPPLEMENT TO OTHER INFORMATION GATHERED BY THEM AND MUST MAKE INDEPENDENT DETERMINATIONS OF SUITABILITY AND COMPLETENESS OF INFORMATION FROM ALL SOURCES TO ASSURE PROPER USE AND AND DISPOSAL OF THESE MATERIALS AND THE SAFETY AND HEALTH OF EMPLOYEES AND CUSTOMERS.