

**ILC RESOURCES
MATERIAL SAFETY DATA SHEET**

Section 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

ILC RESOURCES
10536 Justin Drive
Urbandale, IA 50322-3730
MSDS Information: 1-515-243-8106

24-Hour Emergency Number
1-515-243-8106

PRODUCT NAMES: Industrial Lime #1, Industrial Lime #2, Industrial Lime #3, Industrial Lime 50, Industrial Lime 100, Industrial Lime 200, Industrial Lime 325, Industrial Lime Blend, Industrial Lime Coarse, Industrial Lime Extra Coarse

COMMON NAME: Industrial limestone, calcium carbonate

CHEMICAL NAME: calcium carbonate

CHEMICAL FAMILY: carbonates

CHEMICAL FORMULA: CaCO₃

CAS #: 471-34-1

MOLECULAR Wt: 100.09

Section 2 – COMPOSITION & INFORMATION ON INGREDIENTS

INGREDIENTS	PERCENTAGES	PEL (OSHA)	TLV (ACGIH)
calcium carbonate	(by weight) 90-100%	total dust 15 mg/m ³ TWA respirable dust 5 mg/m ³ TWA	total dust 10 mg/m ³

Section 3 – HAZARDS IDENTIFICATIONS

*** E M E R G E N C Y O V E R V I E W ***

Light gray to tan granular, odorless. Non-flammable. Non-hazardous to eyes, skin and throat.

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Eye contact, dermal, inhalation, ingestion.

EFFECTS OF OVEREXPOSURE:

Eyes - Nuisance dust may cause mechanical irritation

Skin - Non-hazardous

Inhalation – Excessive concentrations of a nuisance dust may cause reactions such as coughing, sneezing and nasal irritation

Ingestion - Non-hazardous

CHRONIC EFFECTS OF OVEREXPOSURE: None known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

Section 4 – FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact - If material comes in contact with the eyes, promptly wash the eyes with water. Get medical attention if any discomfort continues.

Skin Contact - No special precautions; flush with water.

Inhalation - If a person breathes in large amounts of this material, move the exposed person to fresh air at once. Other measures are usually unnecessary.

Ingestion - No special precautions.

Section 5 – FIRE-FIGHTING MEASURES

FLASH POINT: N/A AUTO IGNITION TEMP: N/A

FLAMMABLE LIMITS IN AIR	<u>LOWER</u>	<u>UPPER</u>
% BY VOLUME	N/A	N/A

EXTINGUISHING MEDIA: Use appropriate media to extinguish source.

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: CaCO₃ is neither a fire hazard nor an explosive hazard.

HAZARD RATINGS: NFPA 704: Health - 1 Fire - 0 Reactivity - 0

Section 6 – ACCIDENTAL RELEASE MEASURES

Calcium carbonate (limestone) is not classified as a “toxic pollutant” or a “hazardous substance” under Sections 307 and 311 of the Clean Water Act. Accidental spills can be cleaned up by sweeping, vacuuming, or flushing with water. . Under *Code of Federal Registry* -- (Title 21CFR § 582.5191) {“...This substance is generally recognized as safe when used in accordance with good manufacturing or feeding practice.”} This is known as G.R.A.S.

Section 7 – HANDLING & STORAGE

HANDLING AND STORING: Store in a dry area; material is an animal feed ingredient.

Section 8 – EXPOSURE CONTROL – PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical ventilation may be necessary to maintain dust below exposure levels.

RESPIRATORY EQUIPMENT: An approved NIOSH dust respirator should be used when dust exposure standard is exceeded (nuisance dust 15 mg/m³).

EYE PROTECTION: Safety goggles.

PROTECTIVE CLOTHING: Not essential.

OTHER (SAFETY SHOWERS, EYE WASH STATIONS, ETC.): None.

Section 9 – PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Light gray to tan color.
Coarse to small granules to powder

ODOR: Odorless

BOILING POINT: Not determined

SPECIFIC GRAVITY (water=1): 2.7–2.9

VAPOR PRESSURE: N/A VAPOR DENSITY (air=1): N/A

SOLUBLE IN WATER: Negligible

EVAPORATION RATE (ether=1): None

pH: 8.5–9.5 at 10% solids

Section 10 – STABILITY & REACTIVITY

STABILITY: STABLE
UNSTABLE

INCOMPATIBILITY: Material is soluble in acid with concomitant release of carbon dioxide

HAZARDOUS DECOMPOSITION PRODUCTS: Heating of product above 825°C will decompose to calcium oxide with release of carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: High temperatures above 825 °C

MATERIALS TO AVOID: Acids

Section 11 – TOXICOLOGY INFORMATION

Note: ILC Resources has not conducted specific toxicity tests on this product.

Section 12 – ECOLOGICAL INFORMATION

Note: ILC Resources has not conducted specific ecological tests on this product. The product is also used as an animal feed ingredient and agricultural liming material.

Section 13 – DISPOSAL CONSIDERATION

WASTE DISPOSAL PROCEDURES: Calcium carbonate (limestone) is not classified as a hazardous waste under RCRA Section 3001. Use normal waste disposal procedures that are in compliance with federal, state, and local regulations.

Section 14 – REGULATORY INFORMATION

DOT PROPER SHIPPING NAME: Not regulated by DOT DOT HAZARD CLASS: N/A

DOT IDENTIFICATION NUMBER: N/A

DOT EMER. RESPONSE GUIDE NO.: N/A

Section 15 – OTHER INFORMATION

This product does not contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

SARA SECTION 311–312 HAZARD CATEGORIES (40 CFR 370.2):

FIRE: No SUDDEN RELEASE OF PRESSURE: No REACTIVE: No ACUTE: No
CHRONIC: No

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE, BUT ILC RESOURCES DOES NOT WARRANT, EXPRESS OR IMPLY, THE FITNESS OF CONTENTS HEREOF FOR EITHER GENERAL OR PARTICULAR PURPOSES. IN NO EVENT SHALL ILC RESOURCES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES NOR SHALL ANYONE HAVE A RIGHT OR REMEDY BASED ON OR RELATED TO POSSESSION AND/OR USE OF THIS DATA SHEET.

Revised: 2-10-2010

Supersedes: 11-18-08