



SDS – SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: CALCIUM CARBONATE

Synonyms: Feeding Limestone

Chemical Formula: CaCO₃

Product Name: Unical-UF, Unical-P, Unical-C, Unical-S, Unical-M, Unical-L, Fre-Flo, LOL#3, Unical-F, Shell and Bone Builder Blend, Shell & Bone Builder

Recommended Use of the Chemical: Animal feed, animal pharmaceutical, agricultural applications

Manufacturer / Supplier: ILC RESOURCES

Address: 3301 106th Circle, Urbandale, IA 50322-3740

Website: <http://www.ilcresources.com>

Phone: 515-243-8106

24 hour Emergency Phone: 515-243-8106

2. HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture:
STOT SE3

Risk Phrases:
R37: Irritating to respiratory system.

Label Elements:

Signal Word: Warning

Pictogram:

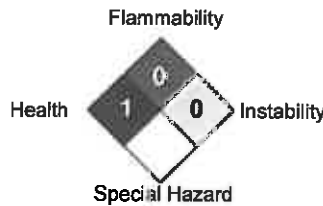


Hazard Statements:
H335: May cause respiratory irritation.

Precautionary Statements:
P261: Avoid breathing dust/fume/gas/mist/vapors/spray

HMIS / NFPA Hazard Rating:

- 4=EXTREME
- 3= SERIOUS
- 2= MODERATE
- 1=SLIGHT
- 0=MINIMAL



3. COMPOSITION INFORMATION / INGREDIENTS

Ingredient	CAS Number	EC Number	Percent
Calcium Carbonate	471-34-1	207-439-9	100%

CALCIUM CARBONATE

Page 1 of 5

Effective Date: 02/10/14

4. FIRST-AID MEASURES

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.

Skin Contact: No special precautions; flush with water.

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

5. FIRE-FIGHTING MEASURES

Fire: Not flammable.

Explosion: Not an explosion hazard.

Fire Extinguishing Media: Water, water fog, Foam, dry chemical powder, Carbon Dioxide. Use appropriate media to extinguish source.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode, if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. Wear appropriate personal protective equipment as specified in Section 8.

Environmental Precautions and Methods and Materials for Containment and Cleaning Up: No special environmental precautions required. Sweep up and shovel. Keep in suitable, closed containers for disposal. 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.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a dry area; material is an animal feed ingredient. Do not store with incompatible materials (reference Section 10.)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits:

PEL (OSHA): total dust 15 mg/m³ (TWA); respirable dust 5 mg/m³ (TWA)

TLV (ACGIH): total dust 10 mg/m³

Ventilation System: A system of local and / or general exhaust may be necessary to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

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

Skin Protection: Protective clothing is not essential.

Eye Protection: Use chemical safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light gray to tan color; coarse to small granules to powder

Odor: Odorless

Odor Threshold: Not determined

pH: 8.5 – 9.5 at 10% solids

Melting Point: 800C (1,472F) - Decomposes on heating

Boiling Point / Boiling Range: No data available

Flash Point: Not applicable

Evaporation Rate (BuAC=1): No data available

Flammability: Not flammable

Upper / Lower Flammability or Explosive Limits: No data available

Vapor Pressure (mm Hg): No data available

Vapor Density (Air=1): No data available

Relative Density: 2.93 g/cm³ at 25C (77F)

Specific Gravity (water=1): 2.7 – 2.9

Solubility: Negligible

Partition Coefficient: n-octanol / water: No data available

Auto-ignition Temperature: Not applicable

Decomposition Temperature: No data available

Viscosity: No data available

Molecular Weight: 100.1 g/mol

10. STABILITY AND REACTIVITY

Reactivity and / or Chemical Stability: Stable under ordinary conditions of use and storage.

Possibility of Hazardous Reactions and Conditions to Avoid: High temperatures above 825C and incompatibles (acids.)

Incompatible Materials: Strong oxidizing agents & Acids.

Hazardous Decomposition Products: Heating of product above 825C will decompose to Calcium Oxide with release of Carbon Dioxide.

11. TOXICOLOGICAL INFORMATION

Emergency Overview: CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. NUISANCE DUST.

Potential Health Effects:

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

Ingestion: Non-toxic.

Skin Contact: Not expected to be a health hazard from skin exposure.

Eye Contact: Nuisance dust may cause mechanical irritation.

Chronic Exposure: No data available.

Aggravation of Pre-existing Conditions: No data available.

Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System:) No data available.

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System:) No data available.

Germ Cell Mutagenicity: No data available.

Reproductive Toxicity: No data available.

Aspiration Hazard: No data available.

Numerical Measures of Toxicity: Cancer Lists: NTP Carcinogen

Ingredient	Known	Anticipated	IARC Category
Calcium Carbonate (471-34-1)	No	No	None

Acute Toxicity:

LD50 Oral - rat - 6,450 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)

Not regulated

Maritime Transport IMDG/GGVSea

Not regulated

Air Transport ICAO-TI and IATA-DGR

Not regulated

15. REGULATORY INFORMATION

Chemical Inventory Status – Part 1

Ingredient	TSCA	EC	Japan	Australia
Calcium Carbonate (471-34-1)	Yes	Yes	Yes	Yes

Chemical Inventory Status – Part 2

Ingredient	Korea	Canada		Phil.
		DSL	NDSL	
Calcium Carbonate (471-34-1)	Yes	Yes	No	Yes

Federal, State & International Regulations - Part 1

Ingredient	SARA 302		SARA 313	
	RQ	TPQ	List Chemical	Catg.
Calcium Carbonate (471-34-1)	No	No	No	No

Federal, State & International Regulations - Part 2

Ingredient	RCRA		TSCA
	CERCLA	261.33	8(d)
Calcium Carbonate (471-34-1)	No	No	No

Chemical Weapons Convention: No		TSCA 12(b): No		CDTA: No
SARA 311/312:	Acute: No	Chronic: No	Fire: No	Pressure: No
Reactivity: No		Pure / Solid		

Poison Schedule: None allocated

16. OTHER INFORMATION

Effective Date: 02/10/14 – Standardized for GHS / REACH

Previous Revision: 09/19/13

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