

SAFETY DATA SHEET

M6869 - ANSI - EN



Occidental Chemical Corporation

A subsidiary of Occidental Petroleum Corporation



CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification:	Occidental Chemical Corporation 5005 LBJ Freeway P.O. Box 809050 Dallas, TX 75380-9050 1-800-752-5151
24 Hour Emergency Telephone Number:	1-800-733-3665 or 1-972-404-3228 (USA); CHEMTREC (within USA and Canada): 1-800-424-9300; CHEMTREC (outside USA and Canada): +1 703-527-3887; CHEMTREC Contract No: CCN16186
To Request an SDS:	MSDS@oxy.com or 1-972-404-3245
Customer Service:	1-800-752-5151 or 1-972-404-3700
Product Identifier:	CALCIUM CARBONATE (WET CAKE)
Trade Name:	Calcite Liming Material; Oxy Lime
Synonyms:	Calcite, Carbonic Acid Calcium Salt
Product Use:	Farmland enrichment
Uses Advised Against:	None identified.
Note:	*Check with national and local regulatory agencies to determine status of use in a fertilizer application

2. HAZARDS IDENTIFICATION

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

OSHA REGULATORY STATUS: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EMERGENCY OVERVIEW:

Color: Off-white
Physical State: Solid
Appearance: Wet cake
Odor: Odorless

Signal Word: **NONE**

MAJOR HEALTH HAZARDS: MAY CAUSE MILD IRRITATION WITH SKIN CONTACT, EYE CONTACT, RESPIRATORY TRACT CONTACT, OR INGESTION.

PRECAUTIONARY STATEMENTS: Always use good hygiene measures. Avoid contact with skin and eyes. Avoid breathing dust. As a good hygiene practice, wear appropriate protective gloves and protective clothing. Wash thoroughly after handling.

ADDITIONAL HAZARD INFORMATION: Even though this material is not classified as hazardous according to US OSHA's 2012 Hazard Communication Standard, good hygiene and safety practices should be followed. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

GHS CLASSIFICATION:

Note: There is not a GHS classification associated with this non-hazardous material.

GHS: CARCINOGENICITY:	Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC, or OSHA.
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Unknown Acute Dermal Toxicity:

100% of this product consists of ingredient(s) of unknown acute dermal toxicity.

GHS SYMBOL: None

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

GHS SIGNAL WORD: NONE**GHS HAZARD STATEMENTS:****GHS - Physical Hazard Statement(s)**

Not classified as a hazardous substance or mixture

GHS - Health Hazard Statement(s)

Not classified as a hazardous substance or mixture

GHS - Precautionary Statement(s) - Prevention

Not classified as a hazardous substance or mixture

There are no Precautionary Statement(s)-Prevention phrases assigned

GHS - Precautionary Statement(s) - Response

Not classified as a hazardous substance or mixture

There are no Precautionary Statement(s)-Response phrases assigned

GHS - Precautionary Statement(s) - Storage

Not classified as a hazardous substance or mixture

There are no Precautionary Statement(s) - Storage phrases assigned

GHS - Precautionary Statement(s) - Disposal

Not classified as a hazardous substance or mixture. There are no Precautionary Statement(s) - Disposal phrases assigned.

Hazards Not Otherwise Classified (HNOC)

None identified

See Section 11: TOXICOLOGICAL INFORMATION**3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms:** Calcite, Carbonic Acid Calcium Salt

Component	Percent [%]	CAS Number
Water	0 - 80	7732-18-5
Carbonic acid, calcium salt (1:1)	0 - 80	471-34-1
Silicon Dioxide - hydrated	0 - 16	7631-86-9
Sodium Chloride	0 - 15	7647-14-5
Sodium Carbonate	0 - 8	497-19-8
Magnesium hydroxide (Mg(OH) ₂)	0 - 6	1309-42-8
Sodium Sulfate	0 - 2	7757-82-6

4. FIRST AID MEASURES

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

INHALATION: If inhalation of this material occurs and you feel unwell, move to fresh air.

SKIN CONTACT: Brush off excess material. Wash affected area with plenty of water. If skin irritation occurs, get medical advice/attention.

EYE CONTACT: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

INGESTION: No effect expected. If large amounts are ingested, get medical advice/attention.

Most Important Symptoms/Effects (Acute and Delayed) :

Acute Symptoms/Effects: Listed below.

Inhalation (Breathing): May cause minor upper airway irritation, may cause cough, redness of mouth and upper airways.

Skin: Skin exposure may cause mild irritation, redness.

Eye: Eye exposure may cause irritation, and redness to the eye lids, conjunctiva.

Ingestion (Swallowing): Repeated or regular ingestions of large quantities may produce constipation and hypercalcemia.

Delayed Symptoms/Effects:

- Repeated and prolonged skin contact may cause a dermatitis

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Medical Conditions Aggravated by Exposure: May aggravate preexisting conditions such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin; and respiratory conditions including asthma and other breathing disorders.

Protection of First-Aiders: Avoid contact with skin and eyes. Avoid breathing dust. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

Notes to Physician: There are no reported health effects associated with repeated or prolonged exposure to pure calcium carbonate.

5. FIRE-FIGHTING MEASURES

Fire Hazard: Negligible fire hazard.

Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.

Fire Fighting: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode.

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

Component	Immediately Dangerous to Life/ Health (IDLH)
Silicon Dioxide - hydrated 7631-86-9	3000 mg/m ³ IDLH

Hazardous Combustion Products: Calcium oxide, Oxides of carbon (Carbon monoxide, Carbon dioxide)

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Lower Flammability Level (air): Not flammable

Upper Flammability Level (air): Not flammable

Flash point: Not flammable

Auto-ignition Temperature: Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust. Avoid generating dust. Avoid contact with skin and eyes. Wash thoroughly after handling. When handling this material, wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Methods and Materials for Containment and Cleaning Up:

Shovel dry material into suitable container. Flush spill area with water, if appropriate.

Environmental Precautions:

Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Observe good personal hygiene practices and recommended procedures. Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing dust. Use methods to minimize dust. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the SDS.

Safe Storage Conditions:

Store and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibilities/ Materials to Avoid:

Acids, Ammonium salts, Magnesium, Alum

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Regulatory Exposure Limit(s): Listed below for the product components that have regulatory occupational exposure limits (OEL's) established.

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
Particles Not Otherwise Regulated (PNOR) 00-00-001	15 mg/m ³ (Total) 5 mg/m ³ (Respirable)	-----	-----
Carbonic acid, calcium salt (1:1) 471-34-1	15 mg/m ³ 5 mg/m ³	-----	-----

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

NON-REGULATORY EXPOSURE LIMIT(S): Listed below for the product components that have advisory (non-regulatory) occupational exposure limits (OEL's) established.

Component	CAS Number	ACGIH TWA	ACGIH STEL	ACGIH Ceiling	OSHA TWA (Vacated)	OSHA STEL (Vacated)	OSHA Ceiling (Vacated)
Particulates Not Otherwise Specified (PNOS)	Not Assigned	10 mg/m ³ (Inhalable) 3 mg/m ³ (Respirable)	-----	-----	-----	-----	-----
Carbonic acid, calcium salt (1:1)	471-34-1	10 mg/m ³ particulate matter containing no asbestos and < 1% crystalline silica	-----	-----	15 mg/m ³ 5 mg/m ³	-----	-----
Silicon Dioxide - hydrated	7631-86-9	-----	-----	-----	6 mg/m ³	-----	-----

- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

Additional Advice: Even though this material is not classified as hazardous according to US OSHA's 2012 Hazard Communication Standard, good hygiene and safety practices should be followed.

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

ENGINEERING CONTROLS: General or local exhaust ventilation and other forms of engineering controls are the preferred means for controlling exposures. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Use good hygiene practices when handling this material. Wear safety glasses with side-shields.

Skin and Body Protection: As a good hygiene practice, wear protective clothing to minimize skin contact such as standard industrial work clothes, coveralls, safety footwear.

Hand Protection: As a good hygiene practice, wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Protective Material Types: Butyl rubber, Natural rubber, Neoprene, Nitrile

Respiratory Protection: No personal respiratory protective equipment normally required. A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. In dusty or misty atmospheres use an approved particulate respirator. The added protection of a full face-piece respirator is required when visible dusty conditions are encountered and eye irritation may occur. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

Component	Immediately Dangerous to Life/ Health (IDLH)
Silicon Dioxide - hydrated 7631-86-9	3000 mg/m ³ IDLH

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practices. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Wet cake
Color:	Off-white
Odor:	Odorless
Decomposition Temperature:	No data available
Boiling Point/Range:	Not applicable
Freezing Point/Range:	Not applicable.
Melting Point/Range:	No data available
Vapor Pressure:	Not applicable
Vapor Density (air=1):	Not applicable
Relative Density/Specific Gravity (water=1):	2.83 @ 15.6°C
Density:	No data available
Bulk Density:	No data available

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

Water Solubility:	Insoluble
pH:	Not applicable
Volatility:	No data available
Evaporation Rate (ether=1):	Not applicable
Partition Coefficient (n-octanol/water):	No data available
Flash point:	Not flammable
Flammability (solid, gas):	Not flammable
Lower Flammability Level (air):	Not flammable
Upper Flammability Level (air):	Not flammable
Auto-ignition Temperature:	Not applicable
Viscosity:	Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not reactive at normal temperature and pressure.

Chemical Stability: Stable at normal temperature and pressure.

Possibility of Hazardous Reactions:
None known.

Conditions to Avoid:
(e.g., static discharge, shock, or vibration) -. None known.

Incompatibilities/ Materials to Avoid:
Acids. Ammonium salts. Magnesium. Alum.

Hazardous Decomposition Products: Oxides of carbon (Carbon monoxide, Carbon dioxide), Calcium oxides

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

PRODUCT TOXICITY DATA: CALCIUM CARBONATE (WET CAKE)

LD50 Oral: 7300 mg/kg (Rat)	LD50 Dermal: No data available	LC50 Inhalation: > 4.74 mg/L (4 hr - Rat)
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COMPONENT TOXICITY DATA:

Note: The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given.

Component	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
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CALCIUM CARBONATE (WET CAKE)**SDS No.:** M6869**SDS Revision Date:** 21-May-2015

Water 7732-18-5	-----	-----	-----
Carbonic acid, calcium salt (1:1) 471-34-1	6450 mg/kg (Rat)	-----	-----
Silicon Dioxide - hydrated 7631-86-9	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	2.2 mg/L (1 hr-Rat)
Sodium Chloride 7647-14-5	3 g/kg (Rat)	10 g/kg (Rabbit)	42 g/m ³ (1 hr-Rat)
Sodium Carbonate 497-19-8	4090 mg/kg (Rat)	2210 mg/kg (Mouse)	2300 mg/m ³ (2 hr-Rat)
Sodium Sulfate 7757-82-6	10000 mg/kg (Rat)	-----	-----

POTENTIAL HEALTH EFFECTS:

- Eye contact:** May cause eye irritation.
- Skin contact:** May cause slight skin irritation.
- Inhalation:** May cause slight upper respiratory irritation.
- Ingestion:** To our knowledge, no effects are known.
- Chronic Effects:** Repeated or prolonged skin contact may result in dermatitis.

SIGNS AND SYMPTOMS OF EXPOSURE:

- Inhalation (Breathing):** May cause minor upper airway irritation, may cause cough, redness of mouth and upper airways.
- Skin:** Skin exposure may cause mild irritation, redness.
- Eye:** Eye exposure may cause irritation, and redness to the eye lids, conjunctiva.
- Ingestion (Swallowing):** Repeated or regular ingestions of large quantities may produce constipation and hypercalcemia.

TOXICITY:

There are no reported health effects associated with repeated or prolonged exposure to pure calcium carbonate. The silicone dioxide component is amorphous, with less than 1% of the component crystalline silica.

Interaction with Other Chemicals Which Enhance Toxicity: None known.

GHS HEALTH HAZARDS:

This material is not classified as hazardous according to the OSHA Hazard Communication Standard (29 CFR 1910.1200). There is not a GHS classification associated with this non-hazardous material.

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

GHS: CARCINOGENICITY:

Not classified as a carcinogen per GHS criteria. This product is not classified as a carcinogen by NTP, IARC, or OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

Aquatic Toxicity:

This material is concentrated salt. Entry into fresh water environments may be harmful to aquatic life

FATE AND TRANSPORT:

BIODEGRADATION: This material is inorganic and not subject to biodegradation

PERSISTENCE: This material is believed not to persist in the environment

BIOACCUMULATIVE POTENTIAL: This material is believed not to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Waste from material:

Reuse or recycle if possible. May be subject to disposal regulations. Dispose in accordance with all applicable regulations.

Container Management:

Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT

U.S. DOT 49 CFR 172.101:

Status: Not regulated.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

Status: Not regulated.

MARITIME TRANSPORT (IMO / IMDG) :

Status - IMO / IMDG: Not Regulated

15. REGULATORY INFORMATION

U.S. REGULATIONS

OSHA REGULATORY STATUS:

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

Not regulated.

SARA EHS Chemical (40 CFR 355.30)

Not regulated

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

None

EPCRA SECTION 313 (40 CFR 372.65):

Not regulated.

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):

Not regulated

NATIONAL INVENTORY STATUS

U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA): All components are listed or exempt.

TSCA 12(b): This product is not subject to export notification.

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL.

STATE REGULATIONS

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

Component	California Proposition 65 Cancer WARNING:	California Proposition 65 CRT List - Male reproductive toxin:	California Proposition 65 CRT List - Female reproductive toxin:	Massachusetts Right to Know Hazardous Substance List	New Jersey Right to Know Hazardous Substance List	New Jersey Special Health Hazards Substance List
Carbonic acid, calcium salt (1:1) 471-34-1	Not Listed	Not Listed	Not Listed	Listed	4001	Not Listed
Silicon Dioxide - hydrated 7631-86-9	Not Listed	Not Listed	Not Listed	Listed	1655	Not Listed
Sodium Sulfate 7757-82-6	Not Listed	Not Listed	Not Listed	Listed	Not Listed	Not Listed

Component	New Jersey - Environmental Hazardous Substance List	Pennsylvania Right to Know Hazardous Substance List	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Environmental Hazard List	Rhode Island Right to Know Hazardous Substance List
Carbonic acid, calcium salt (1:1) 471-34-1	Not Listed	Listed	Not Listed	Not Listed	Listed
Silicon Dioxide - hydrated 7631-86-9	Not Listed	Listed	Not Listed	Not Listed	Not Listed
Sodium Sulfate 7757-82-6	Not Listed	Listed	Not Listed	Present (solution)	Not Listed

CANADIAN REGULATIONS

- This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

WHMIS - Classifications of Substances:

- Not a controlled product under Canada's Workplace Hazardous Information System

16. OTHER INFORMATION

Prepared by: OxyChem Corporate HESS - Product Stewardship

Rev. Date: 21-May-2015

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health Rating: 0

Flammability Rating: 0

Reactivity Rating: 0

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)

Health Rating: 0

Flammability: 0

Reactivity Rating: 0

CALCIUM CARBONATE (WET CAKE)

SDS No.: M6869

SDS Revision Date: 21-May-2015

Reason for Revision:

- Changed the SDS format to meet the GHS requirements of the revised 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
- Updated the (M)SDS header
- Updated 24 Hour Emergency Telephone Number: SEE SECTION 1
- Product Name and/or Trade Name(s) has been revised: SEE SECTION 1
- Product Identifier has been added or updated: SEE SECTION 1
- Updated Uses Advised Against information: SEE SECTION 1
- Revised Hazard(s) Identification information: SEE SECTION 2
- Added synonym(s): SEE SECTION 3
- Updated First Aid Measures: SEE SECTION 4
- Modified Fire Fighting Measure Recommendations: SEE SECTION 5
- Revised Accidental Release Measures: SEE SECTION 6
- Updated Handling and Storage Information: SEE SECTION 7
- Revised Exposure Controls/Personal Protection information: SEE SECTION 8
- Updated Physical and Chemical Properties. SEE SECTION 9
- Stability and Reactivity recommendations: SEE SECTION 10
- Toxicological Information has been revised: SEE SECTION 11
- Ecological Information has been modified: SEE SECTION 12
- Updated Disposal Considerations. SEE SECTION 13
- Updated Transportation Information: SEE SECTION 14
- Regulatory Information Changes: SEE SECTION 15
- Revised Preparer Information: SEE SECTION 16
- Added SDS Revision Date: SEE SECTION 16
- Added/Updated Revision Log: SEE SECTION 16
- Added "End of Safety Data Sheet" phrase

IMPORTANT:

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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees

End of Safety Data Sheet