

Barium & Chemicals, Inc.

Safety Data Sheet

Revision: 6

Revision Date: 05/22/2019

1.) IDENTIFICATION

Product Name: Calcium Peroxide
Product Number: CA1500
Product Formula: CaO₂

Manufacturer: Barium & Chemicals, Inc.
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2.) HAZARDOUS IDENTIFICATION

Emergency Overview

OSHA Hazards

Oxidizer, Target Organ Effect, Irritant.

Target Organs

Skin, Eyes, Respiratory system.

GHS Classifications

Oxidizing solids (Category 2) H272

Skin irritation (Category 2) H315

Eye irritation (Category 2A) H319

GHS Label Elements, Including Precautionary Statements

Pictogram



Signal Word: Danger

Hazard Statement(s):

H272	May intensify fire; oxidizer.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Precautionary Statement(s):

P220	Keep/store away from clothing/ combustible materials.
P261	Avoid breathing dust/fumes/gas/mist/vapor/spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification

Health Hazard	2
Flammability	0
Physical Hazards	2
Chronic Health Hazard	*

NFPA Rating

Health Hazard	2
Fire	0
Reactivity Hazard	2
Special Hazard	OX

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	May be harmful if swallowed.

3.) INFORMATION ON INGREDIENTS

EINECS	PERCENT	CAS NO:
215-139-4	75%	78403-22-2

4.) FIRST AID MEASURES**Inhalation**

Get victim to fresh air, if victim is not breathing initiate artificial respiration and seek medical help

immediately.

Skin Contact

Wash with soap and water.

Eye Contact

Flush with water for 15 minutes. Seek medical assistance.

Ingestion Contact

DO NOT INDUCE VOMITING. Rinse mouth and dilute by drinking 1-2 glasses of water.

Warning

5.) FIRE FIGHTING MEASURES

Extinguishing Media

Water.

Special Fire Fighting Procedure

Use flooding quantities of water. Use water spray to keep exposed containers cool.

Fire and Explosion Hazards

No information found.

Hazardous Combustion Products

Decomposition at high temperatures releases oxygen.

Protective Measure in Fire

No information found.

6.) ACCIDENTAL RELEASE MEASURES

Personal Precaution in Spill

Wear personal protective equipment as described in Section 8.

Environment

Avoid runoff into sewers and ditches.

Spill Clean Up

Contain spill, sweep-up, place in disposal container.

7.) HANDLING AND STORAGE

Usage Precautions**Usage Descriptions****Storage Precautions****Handling Precautions**

Store in a cool, dry place. Avoid incompatible materials.

8.) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective Equipment

Use adequate ventilation in work area to reduce exposure to eyes.

Process Conditions

No information found.

Respirators

Use NIOSH/NSHA approved respirator.

Protective Gloves

Wear suitable gloves to protect hands from contact.

Eye Protection

Wear suitable protective goggles or glasses to protect eyes from dust.

Other Protection

Wear suitable clothing to protect skin from dust.

Hygienic Work Practices

No information found.

9.) PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)

White to off-white powder.

Odor

Odorless.

Odor Threshold

No data available.

pH

No data available.

Melting Point/Freezing Point

> 365°C (>689°F)

Initial Boiling Point and Boiling Range

No data available.

Flash Point

Not applicable.

Evaporation Rate

No data available.

Flammability (solid,gas)

No data available.

Upper/Lower Flammability or Explosive Limits

No data available.

Vapor Pressure

No data available.

Vapor Density

No data available.

Relative Density

No data available.

Solubility(ies)

No data available.

Partition Coefficient: N-Octanol/Water

No data available.

Auto-Ignition Temperature

No data available.

Decomposition Temperature

No data available.

Viscosity

No data available.

Specific Gravity

No data available.

10.) STABILITY AND REACTIVITY

Stability

Stable under ordinary conditions of use and storage.

Hazardous Decomp Products

Yields oxygen.

Conditions to Avoid

Keep away from reducing agents, heavy metals, combustible materials, mixtures with polysulfide polymers. Strong oxidizing agents, organic materials, powdered metals, water, fluorine, ethanol.

11.) TOXICOLOGICAL INFORMATION

Toxic Dose LD 50

Oral LD 50 > 5 g/kg rat [FMC 188-1052]

Toxicological Info

None given.

Inhalation

LC 50: >17 mg/l (1 hr) rat [FMC ICG/T-79.026]

Skin

Non-irritating.

Eyes

Irritating to unwashed eyes.

Medical Symptoms

Not applicable.

12.) ECOLOGICAL INFORMATION

Toxicity

Non-toxic.

Distribution

No information found.

Chemical Fate

No information found.

13.) DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in manner that complies with federal, state, and local regulations.

General Cleaning**14.) TRANSPORTATION INFORMATION****DOT-GROUND TRANSPORTATION****Proper Shipping Name**

OXIDIZING SOLID, NOS (Calcium Peroxide)

Hazard Class

5.1

UN Number

UN1457

Packing Group

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IATA/IMDG REGULATIONS**Proper Shipping Name**

OXIDIZING SOLID, NOS (Calcium Peroxide)

Hazard Class

5.1

UN Number

UN1457

Packing Group

II

IMDG EMS

F-G, S-Q

Shipping Options for this Product Include:

UPS, FedEx, Air, Ground, Water, Rail.

Transportation Notes:

NMFC 45467-2 CLASS 100 HST 2815.20.00

15.) REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS - PART 1						
Ingredient	CASNO	TSCA	EINECS	China	Japan	Australia
Calcium Peroxide	78403-22-2	No	No	No	No	No
CHEMICAL INVENTORY STATUS - PART 2						
Ingredient	CASNO	Korea	DSL	RCRA	TCSI	SARA311/ 312

Calcium Peroxide	78403-22-2	No	No	No	No	Yes
FEDERAL, STATE, INTERNATIONAL REGULATIONS - Part 1						
Ingredient	CASNO	PROP65	NJ	PA	MA	SARA313
Calcium Peroxide	78403-22-2	No	No	No	No	No
SARA 313						
No information found.						
FEDERAL, STATE, INTERNATIONAL REGULATIONS - Part 2						
Ingredient	CASNO	RCRA 261.33		TSCA 8(d)		CERCLA
Calcium Peroxide	78403-22-2	No		No		No
ADDITIONAL ITEMS						
Chemical Weapons Convention	Acute	TSCA 12(b)	CDTA	SARA 311/312	Reactivity	Chronic
No	No	No	No	No	No	No
Fire	Pressure	Australian HazChem Code			Poison Schedule	WHMIS
No	No	No			No	No

16.) MISC. INFORMATION

Information Sources

Revision Comments

Revised November 2012 for GHS Standards. Updated 2-20-15. Revised February 2014 to align with internal document control. Updated 8-23-16. Entered in new database 09.05.18.

Updated NMFC & Class and regulatory information 05/22/2019

Other Information

17.) DISCLAIMER

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