

Calcium carbonate**12010-6X1KG**

Version 1.1

Revision Date 01/26/2022

Print Date 05/11/2023

SECTION 1. IDENTIFICATION

Product name : Calcium carbonate

Number : 000000020880

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or**
: **+1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : powder

Color : white

Odor : odourless

Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Precautionary statements : **Prevention:**
Use personal protective equipment as required.

Hazards not otherwise : Repeated or prolonged exposure may irritate eyes, skin and

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classified

respiratory system.

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTSFormula : CaCO_3

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Calcium carbonate	471-34-1	$\geq 100.00\%$

SECTION 4. FIRST AID MEASURES

General advice : First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

Inhalation : If inhaled, remove to fresh air.

Skin contact : After contact with skin, wash immediately with plenty of water.

Eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion : Rinse mouth with water. Give small amounts of water to drink. Consult a physician.

Notes to physician

Most important symptoms/effects, acute and delayed : No information available.

Indication of immediate : Treat symptomatically.

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medical attention and
special treatment needed, if
necessary

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder
- Specific hazards during firefighting : The product is not flammable.
In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide
Carbon dioxide (CO₂)
Calcium oxide
- Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.
Evacuate personnel to safe areas.
Ensure adequate ventilation.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.
- Environmental precautions : Prevent further leakage or spillage.
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.
Sweep up and shovel into suitable containers for disposal.
Dispose of in accordance with local regulations.

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SECTION 7. HANDLING AND STORAGE**Handling**

Precautions for safe handling : Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Conditions for safe storage, including any incompatibilities : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.

Advice on common storage : Do not store together with:
Acids

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Avoid dust formation.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.

Engineering measures : Use with local exhaust ventilation.

Eye protection : Safety glasses with side-shields

Hand protection : Protective gloves
Gloves must be inspected prior to use.
Replace when worn.

Skin and body protection : Protective suit

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

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Hygiene measures : Wash hands before breaks and at the end of workday.
When using, do not eat, drink or smoke.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Calcium carbonate	471-34-1	TWA : Time weighted average	10 mg/m3	01 2021	ACGIH:US. ACGIH Threshold Limit Values, as amended
Further information	:	Form of exposure : Inhalable particles.			

Calcium carbonate	471-34-1	TWA : Time weighted average	3 mg/m3	01 2021	ACGIH:US. ACGIH Threshold Limit Values, as amended
Further information	:	Form of exposure : Respirable particles.			

Calcium carbonate	471-34-1	REL : Recommended exposure limit (REL):	10 mg/m3	2010	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Further information	:	Form of exposure : Total			

Calcium carbonate	471-34-1	REL : Recommended exposure limit (REL):	5 mg/m3	2010	NIOSH/GUIDE:US. NIOSH: Pocket Guide to Chemical Hazards, as amended
Further information	:	Form of exposure : Respirable.			

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Calcium carbonate	471-34-1	PEL : Permissible exposure limit	15 mg/m3	01 2017	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Total dust.
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Calcium carbonate	471-34-1	PEL : Permissible exposure limit	5 mg/m3	01 2017	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Respirable fraction.
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Calcium carbonate	471-34-1	PEL : Permissible exposure limit	5 mg/m3	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Respirable fraction.
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Calcium carbonate	471-34-1	PEL : Permissible exposure limit	15 mg/m3	02 2006	OSHA_TRANS:US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Total dust.
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Calcium carbonate	471-34-1	TWA : Time weighted average	5 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Respirable fraction.			

Calcium carbonate	471-34-1	TWA : Time weighted average	15 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Total dust.			

Calcium carbonate	471-34-1	TWA : Time weighted average	5 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Respirable fraction.			

Calcium carbonate	471-34-1	TWA : Time weighted average	15 mg/m3	1989	Z1A:US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Total dust.			

Calcium carbonate	471-34-1	TWA : Time weighted average	15 mg/m3	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
Further information	:	Form of exposure : Total dust.			

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Calcium carbonate	471-34-1	:	Listed	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Total dust.			
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Calcium carbonate	471-34-1	:	Listed	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Respirable fraction.			
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Calcium carbonate	471-34-1	TWA : Time weighted average	5 mg/m3	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Respirable fraction.			
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Calcium carbonate	471-34-1	TWA : Time weighted average	50 millions of particles per cubic foot of air	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Total dust.			
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Calcium carbonate	471-34-1	TWA : Time weighted average	15 millions of particles per cubic foot of air	09 2016	Z3:US. OSHA Table Z-3 (29 CFR 1910.1000), as amended
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Further information	:	Form of exposure : Respirable fraction.			
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical state	: powder
Color	: white
Odor	: odourless
Odor threshold	: Note: No data available
Melting point/range	: 825 °C Note: Decomposes before melting.
Boiling point/boiling range	: Note: Not applicable
Flash point	: Note: Not applicable
Evaporation rate	: Note: No data available
Flammability	: The product is not flammable.
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapor density	: Note: No data available
Water solubility	: 0.02 g/l
Ignition temperature	: Note: Not applicable
Auto-ignition temperature	: Note: not auto-flammable

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Decomposition temperature	: 825 °C Note: Decomposition temperature
Viscosity, dynamic	: Note: Not applicable
Viscosity, kinematic	: Note: Not applicable
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: 100.09 g/mol
Bulk density	: ca. 350 - 800 kg/m ³

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Exposure to moisture
Incompatible materials	: Water Acids Strong oxidizing agents
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon monoxide Carbon dioxide (CO ₂) Calcium oxide

SECTION 11. TOXICOLOGICAL INFORMATION

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Acute oral toxicity	: LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 420 Note: No deaths
Acute inhalation toxicity	: Note: Not classified due to data which are conclusive although insufficient for classification.
Acute dermal toxicity	: LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 402
Skin irritation	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404
Eye irritation	: Species: Rabbit Result: slight irritation Method: OECD Test Guideline 405
Sensitisation	: Species: Mouse Result: Not a skin sensitizer. Method: OECD Test Guideline 429
Genotoxicity in vitro	: Note: Not classified due to data which are conclusive although insufficient for classification.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	: Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 203 Note: No demonstrable toxic effect in saturated solution.
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Toxicity to daphnia and other aquatic invertebrates : Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202
Note: No demonstrable toxic effect in saturated solution.

Toxicity to algae : Exposure time: 72 h
Species: Desmodesmus subspicatus (green algae)
Method: OECD Test Guideline 201
Note: No demonstrable toxic effect in saturated solution.

Further information on ecology**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Not dangerous goods

TDG Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

SECTION 15. REGULATORY INFORMATION**Inventories**

US. Toxic Substances Control Act : On TSCA Inventory

Australia. Industrial Chemicals Act (AIC), as amended : On the inventory, or in compliance with the inventory

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Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

National regulatory information

SARA 302 Components : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards : Acute Health Hazard

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California Prop. 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Massachusetts RTK : Calcium carbonate 471-34-1

New Jersey RTK : Calcium carbonate 471-34-1

Pennsylvania RTK : Calcium carbonate 471-34-1

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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