

SAFETY DATA SHEET

1. Identification

Product identifier: Calcium carbonate

Other means of identification Product No.: 4071, 4052, 6210, 1301, 1300, 1294, 1288, 4918, 26305

Recommended use and restriction on use

Recommended use: Not available. Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company Name:	Avantor Performance Materials, Inc.
Address:	3477 Corporate Parkway, Suite 200
	Center Valley, PA 18034
Telephone:	
	Customer Service: 855-282-6867
Fax:	
Contact Person: e-mail:	Environmental Health & Safety info@avantormaterials.com
c mail.	into eavantornaterials.com

Emergency telephone number:

24 Hour Emergency: 908-859-2151

Chemtrec: 800-424-9300

2. Hazard(s) identification

Hazard classification

Not classified

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Label elements

Hazard symbol:	No symbol
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Signal word: No signal word.

Hazard statement: Not applicable

Precautionary statement Not applicable

Other hazards which do not None. result in GHS classification:

3. Composition/information on ingredients



Substances

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
CALCIUM CARBONATE		471-34-1	90 - 100%
* All concentrations are percent	by weight unless ingredient	is a gas. Gas con	centrations are in percent by volume.
4. First-aid measures			
General information:	Get medical advic to the doctor in at		ou feel unwell. Show this safety data sheet
Ingestion:	Rinse mouth thoro you feel unwell.	oughly. Call a I	POISON CENTER or doctor/physician if
Inhalation:	Move to fresh air.	Get medical a	ttention if symptoms persist.
Skin contact:			and water. Get medical attention if irritation ntaminated clothing before reuse.
Eye contact:	Flush thoroughly	with water. If ir	ritation occurs, get medical assistance.
Most important symptoms/effe	ects, acute and delay	ed	
Symptoms:	May cause irritation	on to skin, eyes	s, and respiratory tract.
Indication of immediate medica	l attention and speci	al treatment n	needed
Treatment:	Treat symptomation	cally. Sympton	ns may be delayed.
5. Fire-fighting measures			
General fire hazards:	The product is not	n-combustible.	
Suitable (and unsuitable) extin	guishing media		
Suitable extinguishing media:	Use fire-extinguis	hing media apj	propriate for surrounding materials.
Unsuitable extinguishing media:	None known.		
Specific hazards arising from the chemical:	During fire, gases	hazardous to	health may be formed.
Special protective equipment	and precautions for f	irefighters	
Special fire fighting procedures:		exposed conta	f you can do so without risk. Use water ainers cool. Cool containers exposed to the fire is out.
Special protective equipmen for fire-fighters:		Imet with face	protective equipment including flame shield, gloves, rubber boots, and in
6. Accidental release measu	res		



Personal precautions, protective equipment and emergency procedures:	Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
Methods and material for containment and cleaning up:	Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination. Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.
Notification Procedures:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved. Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling:	Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities:	Keep containers tightly closed. Store in cool, dry place. Store in a well- ventilated place.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Chemical identity	Туре	Exposure Limit values	Source
CALCIUM CARBONATE - Total	REL	10 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
CALCIUM CARBONATE - Respirable.	REL	5 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
CALCIUM CARBONATE - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
CALCIUM CARBONATE - Respirable fraction.	PEL	5 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
CALCIUM CARBONATE - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
CALCIUM CARBONATE - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)

Appropriate engineering

controls

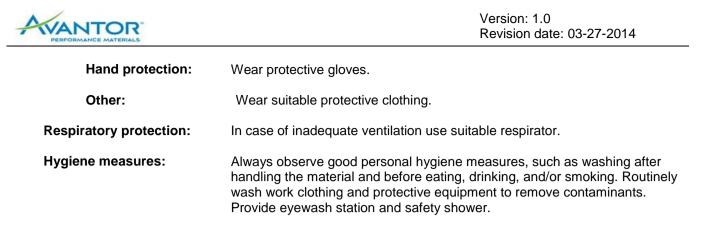
No data available.

Individual protection measures, such as personal protective equipment

General information: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection: Use tight fitting goggles if dust is generated.

Skin protection



9. Physical and chemical properties

Appearance

Physical state:	Solid
Form:	Crystals or powder.
Color:	White
Odor:	Odorless
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	825 °C
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 limit on flammability or explo	osive limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	2.7 (20 °C)
Solubility(ies)	
Solubility in water:	0.01 g/l
Solubility (other):	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.
Other information	
•	100 00 a/mol (CH2O2 Co)
Molecular weight:	100.09 g/mol (CH2O3.Ca)

10. Stability and reactivity

Reactivity:	No data available.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Contact with incompatible materials. Heat.



Incompatible materials:	Acids. Fluorine.
Hazardous decomposition products:	Carbon dioxide

11. Toxicological information

Information on likely routes of exposure Ingestion: May cause irritation of the gastrointestinal tract. Inhalation: May cause irritation to the respiratory system. Skin contact: May cause irritation. Eve contact: May cause temporary eye irritation. Information on toxicological effects Acute toxicity (list all possible routes of exposure) Oral Product: LD 50 (Rat): 6,450 mg/kg LD 50 (Mouse): 6,450 mg/kg Dermal **Product:** No data available. Inhalation Product: No data available. **Repeated dose toxicity** Product: No data available. Skin corrosion/irritation **Product:** May cause skin irritation. Serious eye damage/eye irritation **Product:** May irritate eyes. Respiratory or skin sensitization **Product:** Not a skin sensitizer. Carcinogenicity **Product:** This substance has no evidence of carcinogenic properties. IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified Germ cell mutagenicity In vitro **Product:** No mutagenic components identified

- In vivo Product: No mutagenic components identified
- **Reproductive toxicity**



Product: No components toxic to reproduction

Not classified

None known.

Specific target organ toxi	city - single exposure
Product:	None known.

Specific target organ toxicity - repeated exposure Product: None known. Aspiration hazard

Product:

Other effects:

12. Ecological information

Ecotoxicity:

-	
Acute hazards to the aquatic er	nvironment:
Fish Product:	No data available.
Aquatic invertebrates Product:	No data available.
Chronic hazards to the aquatic	environment:
Fish Product:	No data available.
Aquatic invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and degradability	
Biodegradation Product:	There are no data on the degradability of this product.
BOD/COD ratio Product:	No data available.
Bioaccumulative potential Bioconcentration factor (BCF Product:) No data available on bioaccumulation.
Partition coefficient n-octano Product:	I / water (log Kow) No data available.
Mobility in soil:	No data available.

Other adverse effects: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills

13. Disposal considerations

Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.

can have a harmful or damaging effect on the environment.



Contaminated packaging:

Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated.

IMDG

Not regulated.

ΙΑΤΑ

Not regulated.

15. Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

X Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating
SARA 302 Extremely hazardous substance None present or none present in regulated quantities.
SARA 304 Emergency release notification None present or none present in regulated quantities.
SARA 311/312 Hazardous chemical Chemical identity Threshold Planning Quantity
CALCIUM CARBONATE 500 lbs
SARA 313 (TRI reporting) None present or none present in regulated quantities.
Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.
US state regulations
US. California Proposition 65 No ingredient regulated by CA Prop 65 present.
US. New Jersey Worker and Community Right-to-Know Act CALCIUM CARBONATE Listed



US. Massachusetts RTK - Substance List

CALCIUM CARBONATE Listed

US. Pennsylvania RTK - Hazardous Substances

CALCIUM CARBONATE Listed

US. Rhode Island RTK

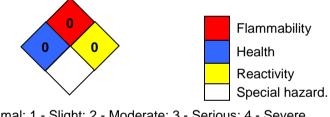
No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

Australia AICS: Canada DSL Inventory List: EINECS, ELINCS or NLP: Japan (ENCS) List: China Inv. Existing Chemical Substances: Korea Existing Chemicals Inv. (KECI): Canada NDSL Inventory: Philippines PICCS: US TSCA Inventory: New Zealand Inventory of Chemicals: Japan ISHL Listing: Japan Pharmacopoeia Listing: On or in compliance with the inventory Not in compliance with the inventory. On or in compliance with the inventory Not in compliance with the inventory On or in compliance with the inventory Not in compliance with the inventory Not in compliance with the inventory.

16.Other information, including date of preparation or last revision

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue date:	03-27-2014
Revision date:	No data available.
Version #:	1.0
Further information:	No data available.



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