

**9720200 1/4" AGGREGATE-QT**

Version	Revision Date:	MSDS Number:	Date of last issue: 04/24/2015
1.1	05/04/2015	9720200	Date of first issue: 04/24/2015
	Generation Variant:		
	GHS_US		

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 1/4" AGGREGATE-QT

Product code : 9720200

Manufacturer or supplier's details

Company name of supplier : Omya International AG

Address : 42 Baslerstrasse
Oftringen AG 4665

Telephone : +41627892929

Telefax : +41627892077

Emergency telephone : (800) 424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Building and construction work
Manufacture of cement
Mixing
Filling
Building and construction mixtures not covered elsewhere
Additive
Filler or Pigment

Restrictions on use : Reserved for industrial and professional use., Other industries not mentioned are excluded.

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance	sand, gravel
Odor	characteristic
Hazard Summary	No information available.

GHS Classification

Carcinogenicity : Category 1A

Specific target organ
systemic toxicity - repeated
exposure (Inhalation) : Category 2 (Lungs)


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GHS Label element

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H350 May cause cancer.
H373 May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Precautionary Statements

: **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects
Carcinogenicity:

IARC

Group 1: Carcinogenic to humans

quartz (SiO₂)

14808-60-7

NTP

The NTP's Report on Carcinogens lists crystalline silica (respirable size) as a known human carcinogen.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Substance

Hazardous ingredients

Chemical Name	CAS-No.	Typical composition (%)
Limestone	1317-65-3	>= 90 - <= 100
quartz (SiO ₂)	14808-60-7	10

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SECTION 4. FIRST AID MEASURES

- | | |
|-------------------------|--|
| If inhaled | : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician. |
| In case of skin contact | : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water. |
| In case of eye contact | : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing. |
| If swallowed | : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person. |

SECTION 5. FIRE-FIGHTING MEASURES

- | | |
|--|---|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Hazardous combustion products | : No hazardous combustion products are known |
| Further information | : Standard procedure for chemical fires. |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Avoid dust formation. |
| Environmental precautions | : No special environmental precautions required. |
| Methods and materials for containment and cleaning up | : Sweep up and shovel.
Keep in suitable, closed containers for disposal. |

SECTION 7. HANDLING AND STORAGE

- | | |
|---|---|
| Advice on protection against fire and explosion | : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. |
| Advice on safe handling | : For personal protection see section 8. |


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No special handling advice required.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid : Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Limestone	1317-65-3	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
quartz (SiO ₂)	14808-60-7	TWA (total dust)	30 mg/m3 / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	10 mg/m3 / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : sand, gravel

Odor : characteristic

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pH	: 8.5 - 9.5, Concentration: 100 g/l (20 °C)Method: DIN-ISO 787/9
Melting point/range	: > 800 °C (1,013 hPa) Decomposition: Decomposes below the melting point.
Boiling point/boiling range	: Decomposition: Decomposes below the boiling point.
Flash point	: does not flash
Flammability (solid, gas)	: The product is not flammable.
Lower explosion limit	: Not applicable
Vapor pressure	: Not applicable
Density	: 2.6 - 2.8 g/cm ³ (20 °C, 1,013 hPa) Method: DIN-ISO 787/10
Solubility(ies)	
Water solubility	: 0.014 g/l (20 °C, 1,013 hPa) 0.018 g/l (75 °C, 1,013 hPa)
Partition coefficient: n-octanol/water	: Pow: < 1 estimated
Decomposition temperature	: > 600 °C
Explosive properties	: Not explosive Not explosive

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: Stable under recommended storage conditions. No decomposition if used as directed. Reacts with acids. It forms carbon dioxide (CO ₂). This displaces the oxygen in the air in closed spaces. (danger of suffocation)
Conditions to avoid	: no data available

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SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity****Product:**

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Ingredients:**Limestone:**

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Respiratory or skin sensitization**Product:**

no data available

Further information**Product:**

This product contains prismatic tremolite (e.g., cleavage fragments) as an impurity. Sufficient exposure to respirable prismatic tremolite dust may cause serious lung problems.

no data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

Ingredients:**Limestone:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1,000 mg/l
aquatic invertebrates Exposure time: 48 h

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Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

Persistence and degradability**Product:**

Biodegradability : Not applicable

Bioaccumulative potential**Ingredients:****Limestone:**

Partition coefficient: n-octanol/water : Not applicable

Mobility in soil

no data available

Other adverse effects**Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : In solid state these minerals are a major part of the rocks of the earth's surface.
They are dissolved in a natural state and indispensable part of the natural waters.
These minerals are not biodegradable.
Negative effects on the environment should therefore be excluded.
Restrictions may be indicated that concentrated suspensions these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and - fauna in the sediment and subsequent detriment to the existence of higher water organisms).

Ingredients:**Limestone:**

Results of PBT and vPvB assessment : Non-classified PBT substance Non-classified vPvB substance

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SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues	: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION**International Regulation****Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

Domestic regulation

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Carcinogen

EPCRA - Emergency Planning and Community Right-to-Know**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

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

SARA 313 : 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.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Massachusetts Right To Know

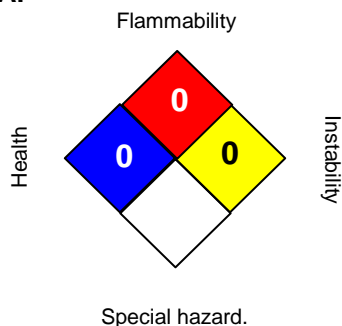
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quartz (SiO ₂)	14808-60-7	10 %

Pennsylvania Right To Know

Limestone	1317-65-3	90 - 100 %
quartz (SiO ₂)	14808-60-7	10 %

New Jersey Right To Know

Limestone	1317-65-3	90 - 100 %
quartz (SiO ₂)	14808-60-7	10 %

SECTION 16. OTHER INFORMATION**Further information****NFPA:****HMIS III:**

HEALTH	1*
FLAMMABILITY	0
PHYSICAL HAZARD	0

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Sources of key data used to compile the Material Safety : Information taken from reference works and the literature.

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Data Sheet

The information provided in this Material 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.

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Responsible/issuing person : Omya Inc.
Regulatory Affairs Department
9987 Carver Road, Suite 300
Cincinnati, OH 45242