

SAFETY DATA SHEET

3998800 OMYACARB 3 LS-FL



Version	Revision Date:	SDS Number:	Date of last issue: 10/20/2022
1.1	06/11/2024	PR39988-00	Date of first issue: 10/20/2022

(GHS_MX)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OMYACARB 3 LS-FL

Product code : 3998800

Manufacturer or supplier's details

Company name of supplier : Omya International AG

Address : 42 Baslerstrasse
Oftringen AG 4665

Telephone : +41627892929

Telefax : +41627892077

Emergency telephone : 1-800-681-9531

Recommended use of the chemical and restrictions on use

Recommended use : Filler or Pigment

Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Carcinogenicity (Inhalation) : Category 1A

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H350 May cause cancer by inhalation.

Precautionary Statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

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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.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Components

Chemical name	CAS-No.	Typical composition (% w/w)
Ground calcium carbonate (GCC)	1317-65-3	>= 90 - <= 100
quartz (SiO ₂)	14808-60-7	0.2

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.
- Most important symptoms and effects, both acute and delayed : None known.

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

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Specific extinguishing methods : 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.
No special handling advice required.

Hygiene measures : General industrial hygiene practice.

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

Materials to avoid : Do not store near acids.

Further information on storage stability : Keep in a dry place.
No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ground calcium carbonate (GCC)	1317-65-3	LMPE-PPT	10 mg/m ³	MX OEL
		LMPE-CT	20 mg/m ³	MX OEL
quartz (SiO ₂)	14808-60-7	VLE-PPT (Respirable fraction)	0.025 mg/m ³	NOM-010-STPS-2014

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		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
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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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Color : white

Odor : characteristic

Odor Threshold : Not relevant

pH : 8.5 - 9.5 (20 °C)
Concentration: 100 g/l
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.

Burning number : 1

Upper explosion limit / Upper flammability limit : Upper flammability limit
Not applicable

Lower explosion limit / Lower flammability limit : Lower flammability limit
Not applicable

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Vapor pressure	:	Not applicable
Density	:	2.3 - 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)
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	Not applicable
Decomposition temperature	:	> 600 °C
Explosive properties	:	Not explosive
Minimum ignition energy	:	Not applicable

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
Hazardous decomposition products	:	Carbon dioxide (CO ₂)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

Ground calcium carbonate (GCC):

Acute oral toxicity	:	LD50 Oral (Rat): > 5,000 mg/kg
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quartz (SiO₂):

Acute oral toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401
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GLP: yes

Acute inhalation toxicity : LC0 (Rat, male and female): > 0.69 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity
An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
GLP: no

Respiratory or skin sensitization

Product:

No data available

Components:

quartz (SiO₂):

Assessment : not sensitizing

Carcinogenicity

Components:

quartz (SiO₂):

Carcinogenicity - : Positive evidence from human epidemiological studies (inhalation)
Assessment

IARC Group 1: Carcinogenic to humans
quartz (SiO₂)
(Silica dust, crystalline)

14808-60-7

STOT-repeated exposure

Components:

quartz (SiO₂):

Routes of exposure : Inhalation
Target Organs : Lungs
Assessment : May cause damage to organs through prolonged or repeated exposure.

Further information

Product:

No data available

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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 aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l Exposure time: 72 h EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l Exposure time: 72 h

Components:

Ground calcium carbonate (GCC):

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l Exposure time: 72 h NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l Exposure time: 72 h

quartz (SiO₂):

Toxicity to fish	:	Remarks: No toxicity at the limit of solubility.
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: No toxicity at the limit of solubility.
Toxicity to algae/aquatic plants	:	Remarks: No toxicity at the limit of solubility.
Toxicity to microorganisms	:	Remarks: No toxicity at the limit of solubility.

Persistence and degradability

Product:

Biodegradability	:	Remarks: Not applicable
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Components:

quartz (SiO₂):

Biodegradability : Result: Not biodegradable

Biochemical Oxygen Demand (BOD) : Remarks: Not applicable

Chemical Oxygen Demand (COD) : Remarks: Not applicable

Bioaccumulative potential

Components:

Ground calcium carbonate (GCC):

Partition coefficient: n-octanol/water : Remarks: Not applicable

quartz (SiO₂):

Bioaccumulation : Remarks: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

Partition coefficient: n-octanol/water : Remarks: Not applicable

Mobility in soil

No data available

Other adverse effects

Product:

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).

Components:

Ground calcium carbonate (GCC):

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 Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Federal Law for the control of chemical precursors, : Not applicable
essential chemical products and machinery for
producing capsules, tablets and pills.

SECTION 16. OTHER INFORMATION

Revision Date : 06/11/2024

Date format : mm/dd/yyyy

Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
MX OEL	: Mexico. Occupational Exposure Limits
NOM-010-STPS-2014	: Mexico. Norm NOM-010-STPS-2014 on Chemicals Polluting the Work Environment - Identification, Assessment and Control - Appendix 1 Occupational Exposure Limits
ACGIH / TWA	: 8-hour, time-weighted average
MX OEL / LMPE-PPT	: Time weighted average

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MX OEL / LMPE-CT : Short term exposure limit
NOM-010-STPS-2014 / VLE- : Time weighted average limit value
PPT

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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 : Information taken from reference works and the literature.
compile the Material Safety
Data Sheet

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

MX / Z8