SAFETY DATA SHEET

9915-0200 OMYABOND 520-FL

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0 (GHS_BR)	31.07.2018	PR39915-02	Date of first issue: 31.07.2018

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OMYABOND 520-FL

Manufacturer or supplier's details

Company : Omya International AG

Address : Baslerstrasse
Oftringen AG 4665

Telephone : +41627892929

Emergency telephone : (42) 3219-2600
Telefax : +41627892077

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 in accordance with ABNT NBR 14725 Standard

Carcinogenicity (Inhalation) : Category 1A

GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms :

Signal Word : Danger

Hazard Statements : H350i 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:

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 which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
quartz (SiO2)	14808-60-7	>= 0.1 -< 1

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

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	:	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
quartz (SiO2)	14808-60-7	TWA (Respirable fraction)	0.025 mg/m3 (Silica)	ACGIH

Personal protective equipment

Respiratory protection	:	Respirator must be worn if exposed to dust. Handle in accordance with good industrial hygiene and safety practice.

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	:	fine powder
Color	:	white
Odor	:	odorless
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
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapor pressure	:	Not applicable
Density	:	2.6 - 2.9 g/cm3 (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	:	Not applicable
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 (CO2). This displaces the oxygen in the air in closed spaces. (danger of suffocation)
Conditions to avoid	:	No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

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

Respiratory or skin sensitization

Product:

No data available

Carcinogenicity

IARC Group 1: Carcinogenic to humans

quartz (SiO2) 14808-60-7

Components:

quartz (SiO2):

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

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

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	:	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:

quartz (SiO2):

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

Persistence and degradability

Product:

Biodegradability	:	Not applicable

Components:

quartz (SiO2):

Biodegradability	:	Result: Not biodegradable.
Biochemical Oxygen Demand (BOD)	:	Not applicable
Chemical Oxygen Demand (COD)	:	Not applicable

Bioaccumulative potential

Components:

quartz (SiO2):

Bioaccumulation	:	This substance is not considered to be persistent,

bioaccumulating and toxic (PBT).

Partition coefficient: n-octanol/water : 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).

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

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

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

National List of Carcinogenic Agents for Humans - (LINACH) : quartz (SiO2)

International Regulations

The receiver should verify the possible existence of legal regulations applicable to chemical.

SECTION 16. OTHER INFORMATION

Further information

Other information	:	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 Data Sheet	:	Information taken from reference works and the literature.

Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	:	8-hour, time-weighted average

AICS - Australian Inventory of Chemical Substances; 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; CPR - Controlled Products Regulations; 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; 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

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