# SAFETY DATA SHEET

# 9902301 OMYA FORMPRO 900-SA

| Version | Revision Date: | SDS Number: | Date of last issue: 05/30/2017 |
|---|---|---|---|
| 1.3 (GHS_US) | 06/24/2020 | PR99023-01 | Date of first issue: 04/30/2015 |

## SECTION 1. IDENTIFICATION

Product name : OMYA FORMPRO 900-SA
Product code : 9902301

**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 : Filler or Pigment
Restrictions on use : For industrial use only.

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Carcinogenicity (Inhalation) : Category 1A

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

**GHS label elements**

Hazard pictograms :

Signal Word : Danger

Hazard Statements : H350 May cause cancer by inhalation.
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.

**Other hazards**

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| | | |
|---|---|---|
| Substance / Mixture | : | Substance |
| Substance name | : | Calciumcarbonate GCC fine powder |
| CAS-No. | : | Not Assigned |

**Components**

| Chemical name | CAS-No. | Typical composition (% w/w) |
|---|---|---|
| Ground calcium carbonate (GCC) | 1317-65-3 | >= 90 - <= 100 |
| quartz (SiO2) | 14808-60-7 | 1.5 |

## SECTION 4. FIRST AID MEASURES

| | | |
|---|---|---|
| If inhaled | : | Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.<br>If symptoms persist, call a physician. |
| In case of skin contact | : | Take off contaminated clothing and shoes immediately.<br>Wash off with soap and plenty of water. |
| In case of eye contact | : | Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing. |
| If swallowed | : | Clean mouth with water and drink afterwards plenty of water.<br>Do not give milk or alcoholic beverages.<br>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 |
| 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.<br>Keep in suitable, closed containers for disposal. |

## SECTION 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on protection against fire and explosion | : | Avoid dust formation.<br>Provide appropriate exhaust ventilation at places where dust is formed. |
| Advice on safe handling | : | For personal protection see section 8.<br>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. |
| Further information on storage stability | : | Keep in a dry place. |

## 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 | 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 |
| | | TWA (Respirable) | 5 mg/m3 (Calcium carbonate) | NIOSH REL |
| | | TWA (total) | 10 mg/m3 (Calcium carbonate) | NIOSH REL |
| quartz (SiO2) | 14808-60-7 | TWA (respirable) | 10 mg/m3 / %SiO2+2 | OSHA Z-3 |
| | | TWA | 250 mppcf | OSHA Z-3 |

| | | | | |
|---|---|---|---|---|
| | | (respirable) | / %SiO2+5 | |
| | | TWA (respirable dust fraction) | 0.1 mg/m3 | OSHA P0 |
| | | TWA (Respirable particulate matter) | 0.025 mg/m3 (Silica) | ACGIH |
| | | TWA (Respirable dust) | 0.05 mg/m3 (Silica) | NIOSH REL |
| | | TWA (Respirable dust) | 0.05 mg/m3 | OSHA Z-1 |
| | | PEL (respirable) | 0.05 mg/m3 | OSHA CARC |

**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 : powder

Color : white

Odor : characteristic

Odor Threshold : Not relevant

pH : 8.5 - 9.5 (20 °C / 20 °C)
Concentration: 100 g/l
Method: DIN-ISO 787/9

Melting point/range : > 800 °C / > 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 : Upper flammability limit

| | | |
|---|---|---|
| flammability limit | | Not applicable |
| Lower explosion limit / Lower flammability limit | : | Lower flammability limit<br>Not applicable |
| Vapor pressure | : | Not applicable |
| Density | : | 2.3 - 2.8 g/cm3 (20 °C / 20 °C, 1,013 hPa)<br>Method: DIN-ISO 787/10 |
| Solubility(ies) | | |
| Water solubility | : | 0.014 g/l (20 °C / 20 °C, 1,013 hPa) |
| Partition coefficient: n-octanol/water | : | Not applicable |
| Autoignition temperature | : | Not applicable |
| Decomposition temperature | : | > 600 °C / > 600 °C |
| Explosive properties | : | Not explosive<br>Not explosive |
| Minimum ignition energy | : | > 1,000 mJ (20 °C / 20 °C, 1,013 hPa) |

## 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.<br>No decomposition if used as directed.<br>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 |
| Hazardous decomposition products | : | Carbon dioxide (CO2) |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Product:**

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

**Components:**

**Ground calcium carbonate (GCC):**

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

**Respiratory or skin sensitization**

**Product:**

No data available

**Carcinogenicity**

**Components:**

**quartz (SiO2):**

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

| | | |
|---|---|---|
| **IARC** | Group 1: Carcinogenic to humans<br>quartz (SiO2)<br>(Silica dust, crystalline) | <br>14808-60-7<br> |
| **NTP** | Known to be human carcinogen<br>quartz (SiO2)<br>(Silica, Crystalline (Respirable Size)) | <br>14808-60-7<br> |

**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<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 1,000 mg/l<br>Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l<br>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<br>Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 1,000 mg/l<br>Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l<br>Exposure time: 72 h |

**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/aquatic plants | : | 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:**

**Ground calcium carbonate (GCC):**

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

**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:**

| | | |
|---|---|---|
| Ozone-Depletion Potential | : | Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances<br>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.<br>They are dissolved in a natural state and indispensable part of the natural waters.<br>These minerals are not biodegradable.<br>Negative effects on the environment should therefore be excluded.<br>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 |

## 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.<br>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

**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 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Acute/Chronic Health Hazard
Specific target organ toxicity (single or repeated exposure)

**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 112 (40 CFR 61).
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 SOCMI 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
This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations**

**Massachusetts Right To Know**

| | |
|---|---|
| Ground calcium carbonate (GCC) | 1317-65-3 |
| quartz (SiO2) | 14808-60-7 |

**Pennsylvania Right To Know**

| | |
|---|---|
| Ground calcium carbonate (GCC) | 1317-65-3 |
| quartz (SiO2) | 14808-60-7 |

**Maine Chemicals of High Concern**

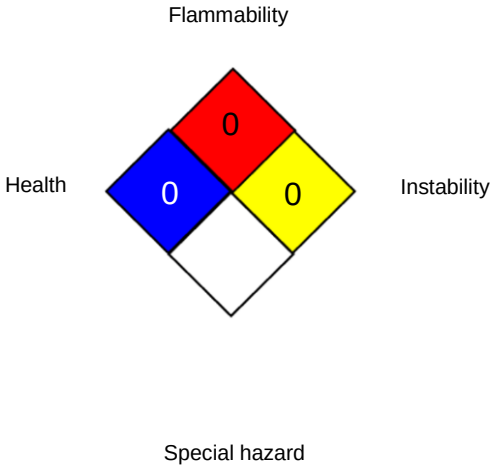
| | |
|---|---|
| quartz (SiO2) | 14808-60-7 |

The following chemicals are listed as Maine Chemicals of High Concern:

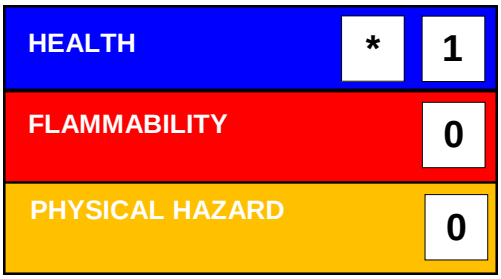
## SECTION 16. OTHER INFORMATION

### Further information

**NFPA 704:**




**HMIS® IV:**




HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

| | | |
|---|---|---|
| ACGIH | : | USA. ACGIH Threshold Limit Values (TLV) |
| NIOSH REL | : | USA. NIOSH Recommended Exposure Limits |
| OSHA CARC | : | OSHA Specifically Regulated Chemicals/Carcinogens |
| OSHA P0 | : | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000 |
| OSHA Z-1 | : | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |
| OSHA Z-3 | : | USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts |
| ACGIH / TWA | : | 8-hour, time-weighted average |
| NIOSH REL / TWA | : | Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| OSHA CARC / PEL | : | Permissible exposure limit (PEL) |
| OSHA P0 / TWA | : | 8-hour time weighted average |
| OSHA Z-1 / TWA | : | 8-hour time weighted average |
| OSHA Z-3 / TWA | : | 8-hour time weighted average |

AICS - Australian Inventory of Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

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.

Revision Date : 06/24/2020

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.

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