



Version	Revision Date:	SDS Number:	Date of last issue: 05/30/2017
1.2	06/17/2024	PR99027-02	Date of first issue: 11/17/2015
(GHS_US)			

SECTION 1. IDENTIFICATION

Product name : OMYA AGRODOL 65D - SA

Product code : 9902702

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	:	Fertilization- fertilizing material; Fertilizers or amendment or cultivation support (according to the composition)		
Restrictions on use	:	For professional users only.		

SECTION 2. HAZARDS IDENTIFICATION

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

Carcinogenicity (Inhalation) Specific target organ toxicity	
- repeated exposure (Inhalation)	
GHS label elements	
Hazard pictograms	

Signal Word

: Danger

Hazard Statements

: H350 May cause cancer by inhalation.





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			H373 May cause or repeated expo	damage to organs (Lungs) through prolonged sure 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. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 		
			Response: P308 + P313 IF e attention.	exposed or concerned: Get medical advice/	
			Storage: P405 Store locke	d up.	
			Disposal: P501 Dispose of posal plant.	contents/ container to an approved waste dis-	
•	hazards known.				
SECTION :	3. COMPOSITION/INF	ORN	IATION ON INGR	EDIENTS	
Substa	ance / Mixture	:	Substance		
Substa	ance name	:	Calciumcarbonat	e GCC coarse powder	
CAS-N	lo.	:	: 16389-88-1		

Components

Chemical name	CAS-No.	Typical composition (% w/w)
Dolomite	16389-88-1	>= 9.5 - <= 100
quartz (SiO2)	14808-60-7	5.5

SECTION 4. FIRST AID MEASURES

If inhaled	:	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. 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.

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			Keep eye wide op	en while rinsing.
lf swall	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.	
and eff	Most important symptoms and effects, both acute and delayed		May cause cancer by inhalation. May cause damage to organs through prolonged or repeated exposure if inhaled.	
SECTION 5	. FIRE-FIGHTING ME	ASL	IRES	
Suitabl	Suitable extinguishing media		Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Hazard ucts	Hazardous combustion prod- ucts		No hazardous combustion products are known	
Further	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 RELE	ASI	EMEASURES	
Personal precautions, protec- : Avoid dust formation. tive equipment and emer- gency procedures		ion.		
Enviror	nmental 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.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place.
Materials to avoid	:	No special restrictions on storage with other products.
Further information on stor- age stability	:	Keep in a dry place. No decomposition if stored and applied as directed.



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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Dolomite	16389-88-1	TWA (Res- pirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (Total dust)	15 mg/m3	OSHA Z-1
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (respir- able fraction)	5 mg/m3	OSHA Z-1
		TWA (respir- able fraction)	5 mg/m3	OSHA P0
quartz (SiO2)	14808-60-7	PEL (respir- able)	0.05 mg/m3	OSHA CARC
		TWA (respir- able)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respir- able)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	ACGIH
		TWA (respir- able dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
		TWA (Res- pirable dust)	0.05 mg/m3	OSHA Z-1

Ingredients with workplace control parameters

Personal	protective	equipment
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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.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES					
Appearance	:	powder			
Color	:	white			
Odor	:	characteristic			
Odor Threshold	:	Not relevant			
рН	:	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 flammability limit	:	Upper flammability limit Not applicable			
Lower explosion limit / Lower flammability limit	:	Lower flammability limit Not applicable			
Vapor pressure	:	Not applicable			
Density	:	2.3 - 2.8 g/cm3 (20 °C / 20 °C, 1,013 hPa) 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			

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	Minimu	m ignition energy	:	Not applicable	
SEC	TION 1	0. STABILITY AND RE	EAC	ΤΙVΙΤΥ	
	Reactiv	ity	:	Stable under rec	ommended storage conditions.
	Chemical stability		:	No decomposition if stored and applied as directed.	
Possibility of hazardous reac- : No hazards to be specially r tions		specially mentioned.			
	Conditi	ons to avoid	:	No data available)
	Hazardous decomposition	:	Carbon dioxide (CO2)	
	product	S		No hazardous de	composition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity		
Not classified due to lack of d	ata	
Product:		
Acute oral toxicity	:	LD50 Oral (Rat): > 5,000 mg/kg
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:		
Dolomite:		
Acute oral toxicity	:	LD50 Oral (Rat): > 5,000 mg/kg
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	Assessment: The substance or mixture has no acute dermal toxicity
quartz (SiO2):		
Acute oral toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 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

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		inhalation tox An LC50/inha	alation/4h/rat could not be determined because of rats was observed at the maximum achievable
Acute	dermal toxicity	: LD50 (Rabbit GLP: no	:): > 2,000 mg/kg
	corrosion/irritation	data.	
Comp	onents:		
Dolon			
	not irritati	ng	
	us eye damage/eye ir assified due to lack of		
Comp	onents:		
Dolon			
	not irritati	ng	
Respi	ratory or skin sensiti	zation	
	sensitization assified due to lack of	data.	
-	ratory sensitization assified due to lack of	data.	
<u>Produ</u>	<u>ict:</u> No data a	vailable	
Comp	onents:		
Dolon	nite:		
	not sensit	izing	
quart	z (SiO2):		
-	sment	: not sensitizin	g
	cell mutagenicity assified due to lack of	data.	
Comp	onents:		
Dolon			
Genot	oxicity in vitro	: No data avail	able
		7 / 1	4



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Carcinogenicity

May cause cancer by inhalation.

Components:

Dolomite:

This information is not available.

quartz (SiO2):

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

IARC	Group 1: Carcinogenic to humans	
	quartz (SiO2)	14808-60-7
	(Silica dust, crystalline)	

NTP	Known to be human carcinogen	
	quartz (SiO2)	14808-60-7
	(Silica, Crystalline (Respirable Size))	

Reproductive toxicity

Not classified due to lack of data.

Components:

Dolomite:

STOT-single exposure

Not classified due to lack of data.

Components:

Dolomite:

No data available

STOT-repeated exposure

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

Components:

Dolomite:

No data available

quartz (SiO2):

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



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Aspiration toxicity

Not classified due to lack of data.

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/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:

Dolomite:		
Toxicity to fish	:	Remarks: No acute toxicity to fish
Toxicity to daphnia and other aquatic invertebrates	:	Remarks: No acute toxicity
Toxicity to algae/aquatic plants	:	Remarks: No acute toxicity
Toxicity to microorganisms	:	Remarks: No acute toxicity to bacteria
guartz (SiO2):		
quartz (SiO2): Toxicity to fish	:	Remarks: No toxicity at the limit of solubility.
	:	
Toxicity to fish Toxicity to daphnia and other	:	

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Persis	stence and degradabi	litv		
Produ	-			
	gradability	:	Remarks: Not app	blicable
Comp	oonents:			
quart	z (SiO2):			
Biode	gradability	:	Result: Not biode	gradable
	emical Oxygen De- (BOD)	:	Remarks: Not app	blicable
Chem (COD)	ical Oxygen Demand)	:	Remarks: Not app	blicable
Bioac	cumulative potential			
Comp	oonents:			
Dolon	nite:			
	on coefficient: n- ol/water	:	Remarks: Not app	blicable
quart	z (SiO2):			
-	cumulation	:	Remarks: Substa toxic (PBT).	nce is not persistent, bioaccumulative, and
	on coefficient: n- ol/water	:	Remarks: Not app	blicable
Mobil	ity in soil			
	ta available			
Other	adverse effects			
Produ	ıct:			
	e-Depletion Potential	:	tection of Stratosp Substances Remarks: This pro tured with a Class	R Protection of Environment; Part 82 Pro- oheric Ozone - CAA Section 602 Class I oduct neither contains, nor was manufac- s I or Class II ODS as defined by the U.S. tion 602 (40 CFR 82, Subpt. A, App.A + B).
Addition mation	onal ecological infor- า	:	the earth's surface They are dissolved the natural waters These minerals a	d in a natural state and indispensable part of







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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

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

49 CFR

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

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)



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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

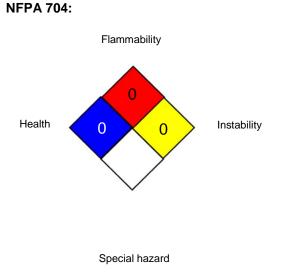
Massachusetts Right To Know	
quartz (SiO2)	14808-60-7
Pennsylvania Right To Know	
Dolomite	16389-88-1
quartz (SiO2)	14808-60-7

SECTION 16. OTHER INFORMATION

Further information



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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

	10113	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA CARC	:	OSHA Specifically Regulated Chemicals/Carcinogens
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its 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

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% response; IAS - 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



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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; 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

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		

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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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