

Safety Data Sheet

prepared to UN GHS Revision 3

1. Identification of the Substance/Mixture and the Company/Undertaking

1.1	Product Identifier	IIN-FLOWCEM-AGG	Revision Date:	14/06/2022
	Product Name:	FLOWCEM DPM AGG	Supersedes Date:	New SDS
1.2	Relevant identified uses of the substance or mixture and uses advised against	Component of multicomponent industri	al coatings - Industrial use.	
1.3	Details of the supplier of the safety	data sheet		
	Importer:	Importer		
	Manufacturer:	StonCor Africa (Pty.) Ltd. 8 Cresset Road Midrand Industrial Park, Chloorkop P.O. Box 2205 2001, Johannesburg South Africa Regulatory / Technical Information: +27 11 254 5500		
	Datasheet Produced by:	Chonco, Cebolonkosi - ehs@stoncor.c	om	
1.4	Emergency telephone number:	CHEMTREC 1-800-424-9300 (Inside U CHEMTREC +1 703 5273887 (Outside		
		Giftinformasjonen: +47 22 59 13 00		

2. Hazard Identification

2.1 Classification of the substance or mixture

Carcinogenicity, category 1A Serious Eye Damage, category 1 STOT, single exposure, category 1 Skin Irritation, category 2 Skin Sensitizer, category 1

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

quartz (silicon dioxide), portland cement

HAZARD STATEMENTS

Skin Irritation, category 2 Skin Sensitizer, category 1 Serious Eye Damage, category 1 Carcinogenicity, category 1A STOT, single exposure, category 1 PRECAUTION PHRASES	H315 H317 H318 H350-1A H370	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause cancer. Causes damage to organs.
	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/vapours/spray.
	P264	Wash hands thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/ face protection.
	P284	Wear respiratory protection.
	P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
	P307+311	IF exposed, call a POISON CENTER or doctor/physician.
	P308+313	IF exposed or concerned: Get medical advice/attention.
	P314	Get medical advice/attention if you feel unwell.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

3. Composition/Information On Ingredients 3.2 **Mixtures**

Hazardous ingredients Name According to EEC EINEC No. CAS-No. <u>%</u> **Classifications** quartz (silicon dioxide) 238-878-4 14808-60-7 50 - <75 H350-370 266-043-4 65997-15-1 25 - <50 portland cement H315-317-318

silicon dioxide (amorphous)	231-545-4	7631-86-9	1.0 - <2.5	H372
alumina oxide	215-691-6	1344-28-1	1.0 - <2.5	
titanium dioxide	236-675-5	13463-67-7	0.1 - <1.0	H351

CAS-No.	M-Factors
14808-60-7	0
65997-15-1	0
7631-86-9	0
1344-28-1	0
13463-67-7	0

Additional Information:

The text for GHS Hazard Statements shown above (if any) is given in Section 16.

4. First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: No Information

AFTER INHALATION: Move to fresh air. Consult a physician after significant exposure.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off with soap and plenty of water.

AFTER EYE CONTACT: Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses. If eye irritation persists, consult a specialist.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Harmful by inhalation.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

5. Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture No Information

5.3 Advice for firefighters

None known. The product itself does not burn. In the event of fire, wear self-contained breathing apparatus. Water sprayDry powderAlcohol-resistant foamCarbon dioxide (CO2). High volume water jet. None.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment.

6.2 Environmental precautions

No Information

6.3 Methods and material for containment and cleaning up

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

6.4 Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

7. Handling and Storage

7.1 Precautions for safe handling

INSTRUCTIONS FOR SAFE HANDLING: Use only in area provided with appropriate exhaust ventilation. Provide sufficient air exchange and/or exhaust in work rooms. Wear personal protective equipment. Avoid dust formation. Protect from moisture.

PROTECTION AND HYGIENE MEASURES: Wash hands before breaks and at the end of workday. Do not breathe dust. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: No Information STORAGE CONDITIONS: Keep tightly closed in a dry and cool place.

7.3 Specific end use(s)

No specific advice for end use available.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (EU)

Name	CAS-No.	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3
quartz (silicon dioxide)	14808-60-7				
portland cement	65997-15-1				
silicon dioxide (amorphous)	7631-86-9				
alumina oxide	1344-28-1				
titanium dioxide	13463-67-7				
Name	CAS-No.	OEL Note			
Name	CAS-No.	OEL Note			
<u>Name</u> quartz (silicon dioxide)	<u>CAS-No.</u> 14808-60-7				
quartz (silicon dioxide)	14808-60-7				
quartz (silicon dioxide) portland cement	14808-60-7 65997-15-1				

FURTHER INFORMATION: Refer to the regulatory exposure limits for the workforce enforced in each country.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Effective dust mask. EYE PROTECTION: Safety glasses with side-shields. HAND PROTECTION: Protective gloves. Long sleeved clothing. Remove and wash contaminated clothing before re-use. OTHER PROTECTIVE EQUIPMENT: No Information ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas.

9. Physical and Chemical Properties

9.1	Information on basic physical and chemical properties Appearance:	SOLID
	Physical State	Solid
	Odor	EARTHLY
	Odor threshold	Not determined
	рН	Not determined
	Melting point / freezing point (°C)	Not determined
	Boiling point/range (°C)	N.D N.D.
	Flash Point, (°C)	999
	Evaporation rate	Not determined
	Flammability (solid, gas)	Not determined
	Upper/lower flammability or explosive limits	Not determined
	Vapour Pressure	Not determined
	Vapour density	Not determined
	Relative density	Not determined
	Solubility in / Miscibility with water	PARTIALLY SOLUBLE
	Partition coefficient: n-octanol/water	Not determined
	Auto-ignition temperature (°C)	Not determined
	Decomposition temperature (°C)	Not determined
	Viscosity	Not determined
	Explosive properties	Not determined
	Oxidising properties	Not determined
9.2	Other information	
	VOC Content g/l:	Not determined
	Calculated grams of VOC per liter of coating product as	••
	Specific Gravity (g/cm3)	2.635

10. Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid No Information

10.5 Incompatible materials Do not store near acids. Strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products are known. Hydrogen fluoride

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity: Oral LD50: Inhalation LC50:	No information available. No information available.
Irritation:	No information available.
Corrosivity:	No information available.
Sensitization:	No information available.
Repeated dose toxicity:	No information available.
Carcinogenicity:	No information available.
Mutagenicity:	No information available.
Toxicity for reproduction:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Aspiration hazard:	No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50	Gas LC50	Dust/Mist LC50
7631-86-9	silicon dioxide (amorphous)	3,160 mg/kg, rat			0.000	0.000
13463-67-7	titanium dioxide	10000 mg/m3, oral (rat)			0.000	0.000

Additional Information:

The cement contained within this product may cause dermal sensitization due to the potential presence of trace amounts of hexavalent chromium.

12. Ecological Information

12.1	Toxici	ty:				
	EC50 48hr (Daphnia):		No info	ormation		
	IC50 72hr (Algae):			ormation		
	LC	50 96hr (fish):	No inf	ormation		
12.2 Persistence and degradability:		No inf	ormation			
12.3	Bioac	cumulative potential:	No inf	ormation		
12.4	12.4 Mobility in soil:		No inf	ormation		
12.5 Results of PBT and vPvB assessment:		The pr	oduct does not meet the	e criteria for PBT/VP	vB in accordance with Annex XIII.	
12.6 Other adverse effects:		No inf	ormation			
<u>CAS-</u>	<u>No.</u>	Chemical Name		<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
1480	8-60-7	quartz (silicon dioxide)		No information	No information	
6599	7-15-1	portland cement		No information	No information	
7631-	-86-9	silicon dioxide (amorphous)		No information	No information	
1344-	-28-1	alumina oxide		No information	No information	
1346	3-67-7	titanium dioxide		>100 mg/l (EC50, 48h, Daphnia magna OECD202)ation	No information	>1000 mg/l

13. Disposal Considerations

13.1 WASTE TREATMENT METHODS: If recycling is not practicable, dispose of in compliance with local regulations. Waste codes should be assigned by the user based on the application for which the product was used. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

14.1	UN number	Not applicable
14.2	UN proper shipping name	Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations.
	Technical name	Not applicable
14.3	Transport hazard class(es)	Not applicable
	Subsidiary shipping hazard	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	Not applicable
	EmS-No.:	Not applicable
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not applicable

15. Regulatory Information

^{15.1} Safety, health and environmental regulations/legislation for the substance or mixture:

National Regulations:

Denmark Product Registration Number:	Not available
Danish MAL Code:	Not available
Danish MAL Code - Mixture:	Not available
Sweden Product Registration Number:	Not available
Norway Product Registration Number:	Not available
WGK Class:	Not available

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

es skin irritation.
ause an allergic skin reaction.
es serious eye damage.
ause cancer.
cted of causing cancer.
es damage to organs.
s damage to organs through prolonged or repeated exposure.

Reasons for revision

Changes have been made to Section 9 of the Safety Data Sheet (SDS). Please refer to the Physical and Chemical Properties information in Section 9 of this SDS. This Safety Data Sheet (SDS) has been revised to meet updated national hazard communication standards which have adopted the provisions of the UN GHS system. There have been both formatting and content changes based on the GHS classification (if applicable), Please review each section of the SDS for specific changes. This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark; European Union Commission Regulation No. 1907/2006 on REACH as amended within Commission Regulation (EU) 2015/830;

European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) and subsequent technical progress adaptations (ATP); EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes".

Acronym & Abbreviation Key:

CLP	Classification,	Labeling	&	Packaging	Regulation
EC	European Commis	sion			
EU	European Union				

Date Printed: 27/06/2022

CASChemical Abstract ServiceEINECSEuropean Inventory of Existing Chemical SubstancesREACHRegistration, Evaluation, Authorization of Chemicals RegulationGHSGlobally Harmonized System of Classification and Labeling of ChemicalsLTELLong term exposure limitSTELShort term exposure limitOELOccupational exposure limitppmParts per millionmg/m3Milligrams per cubic meterTLVThreshold Limit ValueACGIHAmerican Conference of Governmental Industrial HygienistsOSHAOccupational Safety & Health AdministrationPELPermissible Exposure LimitsVOCVolatile organic compoundsg/1Grams per litermg/kgMilligrams per kilogramN/ANot applicableLD50Lethal concentration at 50%EC50Half maximal effective concentrationTC50Half maximal effective toxic chemicalvPvBVery persistent and very bioaccumulativeEECEuropean Economic CommunityADRInternational Transport of Dangerous Goods by RoadRIDInternational Air Transport AssociationMARPOLInternational Air Transport AssociationMARPOLInternational Air Transport AssociationMARPOLInternational Maritime Dangerous Goods CodeINTAInternational Maritime Dangerous Goods CodeINTAInternational Maritime Dangerous Goods CodeINTAInternational Maritime Dangerous Goods CodeINTAInternational Maritime Dange	US	United States			
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IBC International Bulk Container RTI Respiratory Tract Irritation	MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as			
RTI Respiratory Tract Irritation	-				
NE Narcotic Effects					
	NE	Narcotic Effects			

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.