SAFETY DATA SHEET

Date of issue/Date of revision

: 11 September 2024 Version





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SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: SIGMAZINC 105 BASE GREY
Product code	: 000001203667
Other means of identifica 00479693	tion
1.2 Relevant identified use	s of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	of the safety data sheet
Sigma Paints Egypt Villa#8, street 279 New Maadi, Cairo Egypt	

Fax: 00202 516 38 04e-mail address of person: PS.ACEMEA@ppg.comresponsible for this SDS

Tel: 00202 516 223 797

1.4 Emergency telephone : +20 2 6840902 number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Conforms to Regulation (EC) 2020/878	No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)
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SIGMAZINC 105 BASE GREY	
SECTION 2: Hazards	identification
Hazard pictograms	
	: Warning
Hazard statements	 Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. Very toxic to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment.
Response	: Collect spillage.
Storage	: Not applicable.
Disposal	 Dispose of contents and container in accordance with all local, regional, national and international regulations. P202, P280, P210, P273, P391, P501
Hazardous ingredients	: 4-methylpentan-2-one Epoxy Resin (700 <mw<=1100) Cement, portland, chemicals bis-[4-(2,3-epoxipropoxi)phenyl]propane</mw<=1100)
Supplemental label elements	: Contains epoxy constituents. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requiren	<u>ents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvI
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
zinc powder zinc dust (stabilised)	REACH #: 01-2119467174-37 EC: 231-175-3 CAS: 7440-66-6 Index: 030-001-01-9	≥25 - ≤50	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
4-methylpentan-2-one	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4	≥10 - <20	Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066	ATE [Inhalation (vapours)] = 11 mg/l EUH066: C ≥ 20%	[1] [2]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥5.0 - ≤10	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Dermal] = 1700 mg/kg ATE [Inhalation (vapours)] = 11 mg/l	[1] [2]
Epoxy Resin (700 <mw <=1100)</mw 	CAS: 25036-25-3	≥5.0 - ≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
Cement, portland, chemicals	EC: 266-043-4 CAS: 65997-15-1	≥1.0 - <3.0	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335	-	[1] [2]
bis-[4-(2,3-epoxipropoxi) phenyl]propane	REACH #: 01-2119456619-26 EC: 216-823-5 CAS: 1675-54-3 Index: 603-073-00-2	≥1.0 - ≤5.0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	Skin Irrit. 2, H315: C ≥ 5% Eye Irrit. 2, H319: C ≥ 5%	[1]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤3.8	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≥1.0 - ≤5.0	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
<u> </u>	1	English	(GB)	Egypt	3/16

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SECTI	ON 3: Composition/inforr	nation on ingredients	
		See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	 Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	 Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	 If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: 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

Potential acute health	effects
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/	<u>symptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
4.3 Indication of any in	nmediate medical attention and special treatment needed
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission	on Regulation (EU)
2020/878	

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SECTION 5: Firefighting measures

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5.1 Extinguishing media Suitable extinguishing	: Use dry chemical, CO ₂ , water spray (fog) or foam.
media	
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides sulfur oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste

disposal container. Dispose of via a licensed waste disposal contractor.

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SECTIO	ON 6: Accidenta	al release measures	
Large sp	Dill	Stop leak if without risk. Move containers from spill area. Use explosion-proof equipment. Approach the release from upwin sewers, water courses, basements or confined areas. Wash treatment plant or proceed as follows. Contain and collect spi combustible, absorbent material e.g. sand, earth, vermiculite of place in container for disposal according to local regulations. waste disposal contractor. Contaminated absorbent material in hazard as the spilt product.	d. Prevent entry into spillages into an effluent llage with non- or diatomaceous earth and Dispose of via a licensed
6.4 Refere	ence to other	 See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protecti See Section 13 for additional waste treatment information. 	ve equipment.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient	name Exposure limit values
barium sulfate	ACGIH TLV (United States, 7/2023). Notes: The value is for total dust containing no asbestos and < 1% crystalline silica.
4-methylpentan-2-one	TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction ACGIH TLV (United States, 7/2023). Notes: Substances for which there is a Biological Exposure Index or Indices
	STEL: 75 ppm 15 minutes.
xylene	TWA: 20 ppm 8 hours. Law Number 4 of 1994, Environmental Law, Annex 8 - Maximum
, yiono	limits for air pollutants inside workplaces (Egypt, 8/2011).
	[xylene (o-, m-, p-isomers)]
	STEL: 651 mg/m ³ 15 minutes.
	STEL: 150 ppm 15 minutes.
	TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.
Cement, portland, chemicals	ACGIH TLV (United States, 7/2023).
comont, portiana, chomodio	TWA: 1 mg/m ³ 8 hours. Form: Respirable fraction
ethylbenzene	Law Number 4 of 1994, Environmental Law, Annex 8 - Maximum
	limits for air pollutants inside workplaces (Egypt, 8/2011).
	STEL: 543 mg/m ³ 15 minutes.
	STEL: 125 ppm 15 minutes.
	TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours.
zinc oxide	Law Number 4 of 1994, Environmental Law, Annex 8 - Maximum limits for air pollutants inside workplaces (Egypt, 8/2011). STEL: 10 mg/m ³ 15 minutes. Form: dust TWA: 5 mg/m ³ 8 hours. Form: dust TWA: 10 mg/m ³ 8 hours. Form: fume
Recommended monitoring : procedures	Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
2 Exposure controls	
ppropriate engineering :	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation of other engineering controls to keep worker exposure to airborne contaminants below an
ontrols	recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chen eating, smoking and using the lavatory and at the end of the wo Appropriate techniques should be used to remove potentially co Contaminated work clothing should not be allowed out of the wo contaminated clothing before reusing. Ensure that eyewash sta showers are close to the workstation location.	orking period. ontaminated clothing. orkplace. Wash
Eye/face protection Skin protection	1	Chemical splash goggles.	
Hand protection	:	Chemical-resistant, impervious gloves complying with an appro- worn at all times when handling chemical products if a risk asse- necessary. Considering the parameters specified by the glove during use that the gloves are still retaining their protective prop- noted that the time to breakthrough for any glove material may glove manufacturers. In the case of mixtures, consisting of sev protection time of the gloves cannot be accurately estimated. V frequently repeated contact may occur, a glove with a protection (breakthrough time greater than 480 minutes according to EN 37 When only brief contact is expected, a glove with a protection c (breakthrough time greater than 30 minutes according to EN 37 The user must check that the final choice of type of glove select product is the most appropriate and takes into account the partia as included in the user's risk assessment.	essment indicates this is manufacturer, check berties. It should be be different for different veral substances, the Vhen prolonged or n class of 6 874) is recommended. lass of 2 or higher 74) is recommended. ted for handling this
Gloves	:	butyl rubber	
Body protection	:	Personal protective equipment for the body should be selected performed and the risks involved and should be approved by a handling this product. When there is a risk of ignition from statis static protective clothing. For the greatest protection from static should include anti-static overalls, boots and gloves. Refer to E 1149 for further information on material and design requirement	specialist before ic electricity, wear anti- c discharges, clothing European Standard EN
Other skin protection		Appropriate footwear and any additional skin protection measur based on the task being performed and the risks involved and s specialist before handling this product.	
Respiratory protection	:		
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be they comply with the requirements of environmental protection be cases, fume scrubbers, filters or engineering modifications to the will be necessary to reduce emissions to acceptable levels.	legislation. In some

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance	
Physical state	: Liquid.
Colour	: Grey.
Odour	: Aromatic. [Slight]
Odour threshold	: Not available.
Melting point/freezing point	: May start to solidify at the following temperature: 8 to 12°C (46.4 to 53.6°F) This is based on data for the following ingredient: bis-[4-(2,3-epoxipropoxi)phenyl]propane. Weighted average: -78.69°C (-109.6°F)
Initial boiling point and boiling range	: >37.78°C
Flammability	: Not available.
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.4% Upper: 7.5% (4-methylpentan-2-one)
	

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SECTION 9: Physical a	Ind	chemical prop	perties					
Flash point	1	Closed cup: 23°C						
Auto-ignition temperature	1	Ingredient name	°C		°F		Method	
		xylene		432	809.6			
Decomposition temperature	:	Stable under recomm	nended st	orage a	nd handling co	ondition	s (see Sec	tion 7).
рН	:	Not applicable.						
Viscosity	1	Kinematic (40°C): >2	21 mm²/s					
Viscosity	- :	60 - 100 s (ISO 6mm	ו)					
Solubility(ies)	1							
Media		Result						
cold water		Not soluble						
Partition coefficient: n-octano water	I/ :	Not applicable.						
Vapour pressure	:	la sua di su fue su s	Vapour Pressure at 20°C Va			Va	oour pres	sure at 50°C
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		4-methylpentan-2-one	15.75128	2.1				
Evaporation rate	:	Highest known value with butyl acetate	: 1.7 (4-m	ethylpe	ntan-2-one) V	leighteo	d average:	1.3compare
Relative density	1	1.97						
Vapour density	:	Highest known value Weighted average: 4			bis-[4-(2,3-epo	oxipropo	oxi)phenyl]p	propane).
Explosive properties	:	The product itself is a vapour or dust with a			the formation	of an e	xplosible m	nixture of
Oxidising properties	:	Product does not pre	esent an o	xidizing	hazard.			
article characteristics								
Median particle size	:	Not applicable.						
.2 Other information								
No additional information.								

SECTION 10: Stability and reactivity

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	The product is stable.
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
10.5 Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

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SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products

: Evolves hydrogen on contact with water. Depending on conditions, decomposition products may include the following materials: carbon oxides sulfur oxides halogenated compounds metal oxide/oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Zinc powder - zinc dust (stabilized)	LC50 Inhalation Dusts and	Rat	>5.4 mg/l	4 hours
	mists		_	
	LD50 Oral	Rat	>2000 mg/kg	-
4-methylpentan-2-one	LC50 Inhalation Vapour	Rat	11 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	2.08 g/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
Epoxy Resin (700 <mw<=1100)< td=""><td>LD50 Dermal</td><td>Rat</td><td>>2000 mg/kg</td><td>-</td></mw<=1100)<>	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
zinc oxide	LC50 Inhalation Dusts and	Rat	>5700 mg/m ³	4 hours
	mists			
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene bis-[4-(2,3-epoxipropoxi)phenyl]propane	Skin - Moderate irritant Eyes - Mild irritant Eyes - Redness of the conjunctivae Skin - Oedema Skin - Erythema/Eschar Skin - Mild irritant	Rabbit Rabbit Rabbit Rabbit Rabbit Rabbit	- - 0.4 0.5 0.8 -	24 hours 500 mg 24 hours 24 hours 4 hours 4 hours 4 hours 4 hours	- - - -

Conclusion/Summary

: There are no data available on the mixture itself.

Skin Eyes

There are no data available on the mixture itself.There are no data available on the mixture itself.

Respiratory Sensitisation

Product/ingr	redient name	Route of exposure	Species	Result
bis-[4-(2,3-epoxipropoxi)ph	ienyl]propane	skin	Mouse	Sensitising
Conclusion/Summary Skin Respiratory <u>Mutagenicity</u>	There are no data avaiThere are no data avai			
Conclusion/Summary	: There are no data avai	lable on the mixture	e itself.	
	En	nglish (GB)	Egypt	10/16

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SECTION 11: Toxico	logical informati	on		
Carcinogenicity				
Conclusion/Summary	: There are no data av	ailable on the mixture	e itself.	
Reproductive toxicity				
Conclusion/Summary	: There are no data av	ailable on the mixture	e itself.	
Teratogenicity				
Conclusion/Summary	: There are no data av	ailable on the mixture	e itself.	
Product/ing	gredient name	Category	Route of exposure	Target organs
Information on likely routes of exposure	: Not available.		1	
Potential acute health effect	<u>ots</u>			
Inhalation	: No known significant	t effects or critical haz	ards.	
Ingestion	: No known significant	t effects or critical haz	ards.	
Skin contact	: Causes skin irritatior	n. Defatting to the ski	n. May cause an a	llergic skin reaction.
Eye contact	: Causes serious eye	irritation.		
Symptoms related to the pl	hysical, chemical and to	xicological characte	eristics	
Inhalation	: No specific data.			
Ingestion	: No specific data.			
Skin contact	: Adverse symptoms r irritation redness dryness cracking	nay include the follow	ring:	
Eye contact	 Adverse symptoms r pain or irritation watering redness 	may include the follow	ving:	
Delayed and immediate eff	ects as well as chronic	effects from short ar	nd long-term expo	<u>sure</u>
Short term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	Not available.			
Long term exposure				
Potential immediate effects	: Not available.			
Potential delayed effects	Not available.			
Potential chronic health eff	fects			
Not available.				
Conclusion/Summary	: Not available.			
General	: Prolonged or repeate	nsitized, a severe alle		irritation, cracking and/or ccur when subsequently
Carcinogenicity	: Suspected of causin exposure.	g cancer. Risk of can	icer depends on du	ration and level of
Mutagenicity	: No known significant	t effects or critical haz	ards.	
Reproductive toxicity	: No known significant	t effects or critical haz	ards.	
	No known significantNot available.	t effects or critical haz	ards.	

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SECTION 11: Toxicological information

Prolonged or repeated contact may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapour/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Zinc powder - zinc dust (stabilized)	Acute EC50 0.106 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 354 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Chronic EC10 6.3 µg/l	Daphnia - <i>Daphnia</i> <i>magna</i> - Neonate	21 days
	Chronic LC10 185 µg/l Fresh water	Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling)	30 days
4-methylpentan-2-one	Acute LC50 >179 mg/l	Fish	96 hours
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Acute LC50 1.8 mg/l Fresh water	Daphnia - <i>daphnia</i> <i>magna</i>	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l Fresh water	Daphnia - <i>Daphnia</i> <i>magna</i> - Neonate	48 hours
	Chronic NOEC 0.017 mg/l Fresh water	Algae	72 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
4-methylpentan-2-one ethylbenzene	OECD 301F -	83 % - Readily - 28 days 79 % - Readily - 10 days	-	-
Conclusion/Summary	: There are no dat	a available on the mixture itself.	·	

Product/ingredient name Biodegradability Aquatic half-life **Photolysis** 4-methylpentan-2-one Readily xylene Readily bis-[4-(2,3-epoxipropoxi)phenyl]propane Not readily ethylbenzene Readily

12.3 Bioaccumulative potential

English (GB)

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SECTION 12: Ecological information

Product/ingredient name	LogPow	BCF	Potential
4-methylpentan-2-one	1.9	-	Low
xylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

<u>P</u>	rc	<u>)d</u>	u	<u>ct</u>	

Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
Packaging	

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)		
Container	15 01 06 mixed packaging		
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.		

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SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	III		
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(Zinc powder - zinc dust (stabilized))	Not applicable.

Additional information

ADR/RID	 The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. 	
Tunnel code	: (D/E)	
IMDG	: The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg.	
IATA : The environmentally hazardous substance mark may appear if required by other transportation regulations.		
14.6 Special pre user	Exactions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	
14.7 Transport i	bulk : Not applicable.	

according to IMO instruments

SECTION 15: Regulatory information

15.1 Safety, hea	Ith and environmer	ntal regulations/legislat	ion specific for the substan	ce or mixture
EU Regulation	(EC) No. 1907/2006	<u>6 (REACH)</u>		

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances,

mixtures and articles

Other national and international regulations.

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)	
2020/878	

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SECTION 15: Regulatory information

Not listed.

15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

	Engl	ish (GB)	Egypt	15/16
Version	: 1			
Prepared by	: EHS			
Date of previous issue	: No previous validation			
revision				
<u>History</u> Date of issue/ Date of	: 11 September 2024			
History	STOT SE 3	EXPOSURE - Categor	RGAN TOXICITY - SIN y 3	GLE
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Asp. Tox. 1 Carc. 2 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 STOT RE 2	ACUTE TOXICITY - C SHORT-TERM (ACUT LONG-TERM (CHRON LONG-TERM (CHRON ASPIRATION HAZARI CARCINOGENICITY - SERIOUS EYE DAMA SERIOUS EYE DAMA FLAMMABLE LIQUIDS FLAMMABLE LIQUIDS SKIN CORROSION/IR SKIN SENSITISATION SPECIFIC TARGET O EXPOSURE - Categor	ategory 4 E) AQUATIC HAZARD NIC) AQUATIC HAZARD NIC) AQUATIC HAZARD NIC) AQUATIC HAZARD O - Category 1 Category 2 GE/EYE IRRITATION - GE/EYE IRRITATION - GE/EYE IRRITATION - S - Category 2 S - Category 3 RITATION - Category 2 I - Category 1 RGAN TOXICITY - REF y 2	 Category 1 Category 2 Category 3 Category 1 Category 2 Category 2 PEATED
Full text of abbreviated H statements	DNEL = Derived No Effec EUH statement = CLP-sp PNEC = Predicted No Eff RRN = REACH Registrat : H225 Highly flammab H226 Flammable liqu H304 May be fatal if s H312 Harmful in cont H315 Causes skin irr H317 May cause an a H318 Causes serious H319 Causes serious H319 Causes serious H319 Causes serious H319 Cause serious H332 Harmful if inhal H335 May cause drow H351 Suspected of ca H373 May cause dan H400 Very toxic to aq H410 Very toxic to aq	ecific Hazard statement ect Concentration ion Number le liquid and vapour. id and vapour. id and vapour. swallowed and enters airv act with skin. tation. allergic skin reaction. eye damage. eye damage. eye irritation. ed. biratory irritation. vsiness or dizziness. ausing cancer. hage to organs through pr uatic life. uatic life with long lasting c life with long lasting effe atic life with long lasting effe	rolonged or repeated ex effects. cts. ffects.	posure.
Abbreviations and acronyms	: ATE = Acute Toxicity Est CLP = Classification, Lab 1272/2008] DNEL = Derived No Effect	mate elling and Packaging Rec t Level	gulation [Regulation (EC	;) No.
	has changed from previously i	ssued version.		

SECTIO	ON 16: Other information				
SIGMAZIN	SIGMAZINC 105 BASE GREY				
Code	: 000001203667	Date of issue/Date of revision	: 11 September 2024		
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878					

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