# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 2

Version



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

: 22 October 2024

1.1 Product identifier	
Product name	: SIGMAZINC 105 HARDENER
Product code	: 000001201992
Other means of identificat 00476874	ion
1.2 Relevant identified uses	s of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Hardener.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier of	f the safety data sheet
Sigma Paint Saudi Arabia Lt PO Box 7509 Dammam 31472 Saudi Arabia Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	d.
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa

## SECTION 2: Hazards identification

Eye Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 1, H372 Aquatic Chronic 3, H412

**1.4 Emergency telephone** 

number

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

: 00966 138473100 extn 1001

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 Hazard pictograms



: Danger

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

Code : 000001201992	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC 105 HARDENER		

SECTION 2: Hazards identification				
Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.				
: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Do not breathe vapour.				
: 🗭 et medical advice/attention if you feel unwell.				
: Not applicable.				
<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P273, P260, P314, P501</li> </ul>				
: Contains ethylenediamine. May produce an allergic reaction.				
: Not applicable.				
<u>ents</u>				
: Not applicable.				
: Not applicable.				
: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.				
: Prolonged or repeated contact may dry skin and cause irritation.				

## **SECTION 3: Composition/information on ingredients**

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
øfystalline silica, respirable powder (<10 microns)	EC: 238-878-4 CAS: 14808-60-7	≥10 - ≤25	STOT RE 1, H372 (inhalation)	-	[1] [2]
propan-2-ol	REACH #: 01-2119457558-25 EC: 200-661-7 CAS: 67-63-0 Index: 603-117-00-0	≥5.0 - ≤10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	-	[1] [2]
xylene	REACH #:	≥5.0 - ≤10	Flam. Liq. 3, H226	ATE [Dermal] = 1700	[1] [2]
English (GB) United Arab Emirates 2				2/17	

Code	: 000001201992	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC	C 105 HARDENER		

#### SECTION 3: Composition/information on ingredients 01-2119488216-32 Acute Tox. 4, H312 mg/kg EC: 215-535-7 Acute Tox. 4, H332 ATE [Inhalation CAS: 1330-20-7 Skin Irrit. 2, H315 (vapours)] = 11 mg/l Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 2,4,6-tris REACH #: ≥1.0 - <3.0 Acute Tox. 4, H302 ATE [Oral] = 1200 mg/ [1] Acute Tox. 4, H312 (dimethylaminomethyl) 01-2119560597-27 kg Skin Corr. 1C, H314 ATE [Dermal] = 1280 phenol EC: 202-013-9 CAS: 90-72-2 Eye Dam. 1, H318 mg/kg REACH #: ≥0.30 -Aquatic Acute 1, H400 M [Acute] = 1 zinc oxide [1] 01-2119463881-32 <2.5 Aquatic Chronic 1, H410 M [Chronic] = 1 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7 REACH #: ≥1.0 - ≤5.0 Flam. Liq. 2, H225 ATE [Inhalation ethylbenzene [1] [2] 01-2119489370-35 Acute Tox. 4, H332 (vapours)] = 17.8 mg/l EC: 202-849-4 STOT RE 2, H373 CAS: 100-41-4 (hearing organs) Index: 601-023-00-4 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 ≤0.30 ethylenediamine REACH #: Flam. Liq. 3, H226 ATE [Oral] = 841 mg/ [1] [2] Acute Tox, 4, H302 01-2119480383-37 kg ATE [Dermal] = 560 EC: 203-468-6 Acute Tox. 3. H311 mg/kg CAS: 107-15-3 Acute Tox. 4, H332 Index: 612-006-00-6 Skin Corr. 1B, H314 ATE [Inhalation Eye Dam. 1, H318 (gases)] = 6000 ppm Resp. Sens. 1B, H334 Skin Sens. 1, H317 Aquatic Chronic 3, H412 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

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 irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by t personnel.Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and y or use recognised skin cleanser. Do NOT use solvents or thinners.Ingestion: If swallowed, seek medical advice immediately and show the container or label. H person warm and at rest. Do NOT induce vomiting.	3/17
Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by t personnel.Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and t	Кеер
Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by t	water
apart for at least 10 minutes and seek immediate medical advice.	
Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eye	/elids

Code : 00000120199: SIGMAZINC 105 HARDENER	
SECTION 4: First aid	measures
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.
	is and effects, both acute and delayed
Potential acute health effect	—
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/symp	<u>toms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	<ul> <li>Koverse symptoms may include the following: irritation redness dryness cracking</li> </ul>
Ingestion	: No specific data.
4.3 Indication of any immedi	ate medical attention and special treatment needed
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

## SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
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	: Highly 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 harmful 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 nitrogen oxides 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.

Code : 000001201992 SIGMAZINC 105 HARDENER	Date of issue/Date of revision: 22 October 2024
SECTION 5: Firefight	
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.
<b>SECTION 6: Accident</b>	al release measures
6.1 Personal precautions, pro	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.
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.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	<ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>

## **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	: Vut on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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.

2020/878 Code : 0000012019 SIGMAZINC 105 HARDENE		ctober 2024
SECTION 7: Handli	ing and storage	
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this mat handled, stored and processed. Workers should wash hands and face be drinking and smoking. Remove contaminated clothing and protective equi entering eating areas. See also Section 8 for additional information on hyperbolic measures.	fore eating, ipment before
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in with local regulations. Store in a segregated and approved area. Store in container protected from direct sunlight in a dry, cool and well-ventilated ar from incompatible materials (see Section 10) and food and drink. Eliminat sources. Separate from oxidising materials. Keep container tightly closed until ready for use. Containers that have been opened must be carefully rekept upright to prevent leakage. Do not store in unlabelled containers. Us containment to avoid environmental contamination. See Section 10 for incomaterials before handling or use.	original rea, away te all ignition l and sealed esealed and se appropriate

#### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

## **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	
crystalline silica, respirable powder (<10 microns)	Ministry of Labor (France, 9/2023)
	TWA 8 hours: 0.1 mg/m³. Form: Respirable fraction.
propan-2-ol	Ministry of Labor (France, 9/2023)
	STEL 15 minutes: 400 ppm.
	STEL 15 minutes: 980 mg/m <sup>3</sup> .
xylene	Ministry of Labor (France, 9/2023) [xylènes, isomères mixtes,
	purs] Absorbed through skin.
	STEL 15 minutes: 442 mg/m <sup>3</sup> .
	STEL 15 minutes: 100 ppm.
	TWA 8 hours: 221 mg/m <sup>3</sup> .
	TWA 8 hours: 50 ppm.
ethylbenzene	Ministry of Labor (France, 9/2023) Absorbed through skin.
-	TWA 8 hours: 20 ppm.
	TWA 8 hours: 88.4 mg/m <sup>3</sup> .
	STEL 15 minutes: 442 mg/m <sup>3</sup> .
	STEL 15 minutes: 100 ppm.
ethylenediamine	Ministry of Labor (France, 9/2023)
-	TWA 8 hours: 10 ppm.
	TWA 8 hours: 25 mg/m <sup>3</sup> .
	STEL 15 minutes: 15 ppm.
	STEL 15 minutes: 35 mg/m <sup>3</sup> .

Code : 000001201992	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC 105 HARDENER		

Product/ingredient name	Exposure limit values
Mica-group minerals	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) TWA 8 hours: 3 mg/m <sup>3</sup> . Form: measured as respirable fraction of
	the aerosol. <b>Cabinet Decree (12) of 2006 Regarding Regulation Concerning</b> <b>Protection of Air from Pollution (United Arab Emirates, 5/2006)</b> TWA 8 hours: 3 mg/m <sup>3</sup> .
	ACGIH TLV (United States, 7/2023)
	TWA 8 hours: 0.1 mg/m <sup>3</sup> . Form: Respirable fraction.
crystalline silica, respirable powder (>10 microns)	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [quartz silica crystalline–c quartz and cristobalite] A2.
	TWA 8 hours: 0.025 mg/m <sup>3</sup> . Form: measured as respirable fraction of the aerosol.
	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [silica]
	TWA 8 hours: 3 mg/m <sup>3</sup> . Form: respirable particulate.
	TWA 8 hours: 10 mg/m <sup>3</sup> . Form: inhalable particle.
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006)
	TWA 8 hours: 0.1 mg/m <sup>3</sup> . <b>ACGIH TLV (United States, 7/2023) [Silica, crystalline]</b> A2. TWA 8 hours: 0.025 mg/m <sup>3</sup> . Form: Respirable fraction.
crystalline silica, respirable powder (<10 microns)	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [quartz silica crystalline–c
	<b>quartz and cristobalite]</b> A2. TWA 8 hours: 0.025 mg/m <sup>3</sup> . Form: measured as respirable fraction of the aerosol.
	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016) [silica] TWA 8 hours: 3 mg/m <sup>3</sup> . Form: respirable particulate.
	TWA 8 hours: 10 mg/m <sup>3</sup> . Form: inhalable particle.
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning
	<b>Protection of Air from Pollution (United Arab Emirates, 5/2006)</b> TWA 8 hours: 0.1 mg/m <sup>3</sup> .
	ACGIH TLV (United States, 7/2023) [Silica, crystalline] A2.
	TWA 8 hours: 0.025 mg/m <sup>3</sup> . Form: Respirable fraction.
propan-2-ol	Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016) A4.
	TWA 8 hours: 492 mg/m <sup>3</sup> . TWA 8 hours: 200 ppm.
	STEL 15 minutes: 984 mg/m <sup>3</sup> .
	STEL 15 minutes: 400 ppm.
	Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006)
	STEL 15 minutes: 500 ppm.
	TWA 8 hours: 983 mg/m <sup>3</sup> .
	STEL 15 minutes: 1230 mg/m <sup>3</sup> .
	TWA 8 hours: 400 ppm. ACGIH TLV (United States, 7/2023) A4.
	TWA 8 hours: 200 ppm.
	STEL 15 minutes: 400 ppm.
xylene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) [xylene (o, m & p isomers) A4.
	STEL 15 minutes: 651 mg/m³. STEL 15 minutes: 150 ppm.
	<u> </u>

TWA 8 hours: 434 mg/m <sup>2</sup> .         TWA 8 hours: 100 ppm.         Cabinet Decree (12) of 2008 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) [Xylene (all isomers)]         STEL 15 minutes: 150 ppm.         TWA 8 hours: 143 mg/m <sup>2</sup> .         STEL 15 minutes: 651 mg/m <sup>2</sup> .         TWA 8 hours: 100 ppm.         ACGH TLV (United States, 7/2023) [p-xylene and mixtures containing p-xylene] AA. Oltoxicant.         TWA 8 hours: 20 ppm.         ACGH TLV (United States, 7/2023) [p-xylene and mixtures containing p-xylene] AA. Oltoxicant.         TWA 8 hours: 20 ppm.         Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016)         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: measured as respirable fraction of the aerosol and furme.         Cabinet Decree (12) of 2008 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006)         TWA 8 hours: 2 mg/m <sup>2</sup> . Form: Respirable fraction.         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: Respirable fraction.         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: Respirable fraction.         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: Respirable fraction.         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: Respirable fraction.         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: Respirable fraction.         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: Respirable fraction.         STEL 15 minutes: 10 mg/m <sup>2</sup> . Form: Respirable fraction.	ode : 000001201992	Date of issue/Date of revision: 22 October 2024
of the aerosol and fume.       TWA 8 hours: 2 mg/m³. Form: measured as respirable fraction of the aerosol and fume.         Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).         TWA 8 hours: 5 mg/m³. Form: fumes.         STEL 15 minutes: 10 mg/m³. Form: Respirable fraction.         STEL 15 minutes: 543 mg/m³.         STEL 15 minutes: 10 pg/m³.         STEL 15 minutes: 125 pm.         TWA 8 hours: 434 mg/m³.         STEL 15 minutes: 125 pm.         TWA 8 hours: 100 ppm.         TWA 8 hours: 100 ppm.         ACGIH TLV (United States, 7/2023) A3. Ototoxicant.         TWA 8 hours: 10 ppm.         ACGIH TLV (United States, 7/2023) A4. Absorbed through skin.         TWA 8 hours: 10 ppm.         ACGIH TLV (United States, 7/2023) A4. Absorbed through skin.         TWA 8 hours: 10 ppm.         ACGIH TLV (United States, 7/2023) A4. Absorbed through skin.         TWA 8 hours: 10 ppm.         ACGI	IGMAZINC 105 HARDENER	TWA 8 hours: 100 ppm. <b>Cabinet Decree (12) of 2006 Regarding Regulation Concerning</b> <b>Protection of Air from Pollution (United Arab Emirates, 5/2006)</b> <b>[xylene (all isomers)]</b> STEL 15 minutes: 150 ppm. TWA 8 hours: 434 mg/m <sup>3</sup> . STEL 15 minutes: 651 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm. <b>ACGIH TLV (United States, 7/2023) [p-xylene and mixtures</b> <b>containing p-xylene]</b> A4. Ototoxicant. TWA 8 hours: 20 ppm. <b>Abu Dhabi - OSHAD - Occupational air quality threshold limit</b> <b>values (United Arab Emirates, 7/2016)</b>
ethylbenzene       Abu Dhabi - OSHAD - Occupational air quality threshold limit         values (United Arab Emirates, 7/2016) A3.       STEL 15 minutes: 125 ppm.         STEL 15 minutes: 125 ppm.       TWA 8 hours: 100 ppm.         TWA 8 hours: 100 ppm.       TWA 8 hours: 100 ppm.         TWA 8 hours: 434 mg/m³.       Cabinet Decree (12) of 2006 Regarding Regulation Concerning         Protection of Air from Pollution (United Arab Emirates, 5/2006)       STEL 15 minutes: 125 ppm.         TWA 8 hours: 434 mg/m³.       Sate 15 minutes: 543 mg/m³.         STEL 15 minutes: 543 mg/m³.       STEL 15 minutes: 543 mg/m³.         Wash a hours: 100 ppm.       TWA 8 hours: 20 ppm.         ACGIH TLV (United States, 7/2016) A4. Absorbed through skin.       TWA 8 hours: 20 ppm.         WA 8 hours: 20 ppm.       TWA 8 hours: 20 ppm.         WA 8 hours: 20 ppm.       TWA 8 hours: 20 ppm.         Abu Dhabi - OSHAD - Occupational air quality threshold limit       values (United Arab Emirates, 7/2016) A4. Absorbed through skin.         TWA 8 hours: 20 mg/m³.       Cabinet Decree (12) of 2006 Regarding Regulation Concerning         Protection of Air from Pollution (United Arab Emirates, 5/2006)       Absorbed through skin.         TWA 8 hours: 25 mg/m³.       Cabinet Decree (12) of 2006 Regarding Regulation Concerning         Propan-2-ol       DOL BEI (South Africa, 3/2021)         BEI: 40 mg/l, acetone [in urine]. Sa		of the aerosol and fume. TWA 8 hours: 2 mg/m <sup>3</sup> . Form: measured as respirable fraction of the aerosol and fume. <b>Cabinet Decree (12) of 2006 Regarding Regulation Concerning</b> <b>Protection of Air from Pollution (United Arab Emirates, 5/2006)</b> TWA 8 hours: 5 mg/m <sup>3</sup> . Form: fumes. STEL 15 minutes: 10 mg/m <sup>3</sup> . Form: fumes. <b>ACGIH TLV (United States, 7/2023)</b> TWA 8 hours: 2 mg/m <sup>3</sup> . Form: Respirable fraction.
values (United Arab Emirates, 7/2016) A4. Absorbed through skin         TWA 8 hours: 10 ppm.         TWA 8 hours: 25 mg/m³.         Cabinet Decree (12) of 2006 Regarding Regulation Concerning         Protection of Air from Pollution (United Arab Emirates, 5/2006)         Absorbed through skin.         TWA 8 hours: 25 mg/m³.         CABINET Decree (12) of 2006 Regarding Regulation Concerning         Protection of Air from Pollution (United Arab Emirates, 5/2006)         Absorbed through skin.         TWA 8 hours: 25 mg/m³.         TWA 8 hours: 10 ppm.         ACGIH TLV (United States, 7/2023) A4. Absorbed through skin.         TWA 8 hours: 10 ppm.         Propan-2-ol         DOL BEI (South Africa, 3/2021)         BEI: 40 mg/l, acetone [in urine]. Sampling time: end of shift at end workweek.         xylene         DOL BEI (South Africa, 3/2021) [xylenes]         BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time end of shift.	ethylbenzene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016) A3. STEL 15 minutes: 543 mg/m <sup>3</sup> . STEL 15 minutes: 125 ppm. TWA 8 hours: 100 ppm. TWA 8 hours: 434 mg/m <sup>3</sup> . Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) STEL 15 minutes: 125 ppm. TWA 8 hours: 434 mg/m <sup>3</sup> . STEL 15 minutes: 543 mg/m <sup>3</sup> . TWA 8 hours: 100 ppm. ACGIH TLV (United States, 7/2023) A3. Ototoxicant.
BEI: 40 mg/l, acetone [in urine]. Sampling time: end of shift at end workweek.         xylene         DOL BEI (South Africa, 3/2021) [xylenes]         BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling time         end of shift.	ethylenediamine	<ul> <li>values (United Arab Emirates, 7/2016) A4. Absorbed through skin TWA 8 hours: 10 ppm. TWA 8 hours: 25 mg/m<sup>3</sup>.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006) Absorbed through skin. TWA 8 hours: 25 mg/m<sup>3</sup>. TWA 8 hours: 10 ppm.</li> <li>ACGIH TLV (United States, 7/2023) A4. Absorbed through skin.</li> </ul>
BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling timend of shift.	propan-2-ol	BEI: 40 mg/l, acetone [in urine]. Sampling time: end of shift at end
ethylbenzene DOL BEI (South Africa, 3/2021)	xylene	BEI: 1.5 g/g creatinine, methylhippuric acid [in urine]. Sampling tim
	ethylbenzene	DOL BEI (South Africa, 3/2021)

2020/878	No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)
Code : 000001201992	Date of issue/Date of revision : 22 October 2024
SIGMAZINC 105 HARDENER	
	BEI: 0.15 g/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
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.
8.2 Exposure controls	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any 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.
Individual protection measu	
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection <u>Skin protection</u>	: Chemical splash goggles.
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Gloves	: For prolonged or repeated handling, use the following type of gloves:
	May be used: nitrile rubber Recommended: butyl rubber, polyvinyl alcohol (PVA), Viton®
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	

Conforms to 2020/878	o Regulation (EC) I	No. 1907/2006 (REACH), Annex II, as amended by Commission	n Regulation (EU)
Code SIGMAZINO	: 000001201992 05 HARDENER	Date of issue/Date of revision	: 22 October 2024
Environm controls	ental exposure	: Emissions from ventilation or work process equipment should they comply with the requirements of environmental protection cases, fume scrubbers, filters or engineering modifications to t 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

Physical state								
r nysicai siale	:	Liquid.						
Colour	:	Colourless.						
Odour	:	Aromatic. [Slight]						
Odour threshold	:	Not available.						
Melting point/freezing point	:	Not determined.						
Initial boiling point and boiling range	:	>37.78°C						
Flammability	1	Not determined. The	re are no o	lata ava	ailable on the	mixture	itself.	
Upper/lower flammability or explosive limits	:	Not available.						
Flash point	:	Closed cup: 20°C						
Auto-ignition temperature	:	Ingredient name		°C	°F		Method	
		2,4,6-tris(dimethylaminor	nethyl)phenc	1 382	719.6	E	EU A.15	
Decomposition temperature	:	Stable under recomm	nended st	orage a	nd handling o	onditions	s (see Sec	tion 7).
рН	1	Not applicable. insolu						
Viscosity	-	Øynamic (room temp Kinematic (room tem Kinematic (40°C): >2	nperature):					
Viscosity	:	> 100 s (ISO 6mm)						
Solubility(ies)	:	( , , , , , , , , , , , , , , , , , , ,						
Media		Result						
cold water		Not soluble						
1		· · · · · · ·						
	:	Not applicable.						
Partition coefficient: n-octanol/ water Vapour pressure	:		Vapou	r Press	sure at 20°C	Vap	our press	sure at 50°C
water		Not applicable.	Vapou mm Hg		sure at 20°C	Vap mm Hg	oour press kPa	sure at 50°C
water				kPa	1	mm	- 1 -	1
water Vapour pressure	:	Ingredient name	mm Hg	kPa	1	mm	- 1 -	1
water Vapour pressure Relative density	:	Ingredient name	mm Hg 33.00268	<b>kPa</b> 4.4 ve, but	Method	mm Hg	kPa	Method
water Vapour pressure Relative density Explosive properties	:	Ingredient name propan-2-ol 1.64 The product itself is i	mm Hg 33.00268	kPa 4.4 ve, but ble.	Method the formation	mm Hg	kPa	Method
water Vapour pressure Relative density Explosive properties Oxidising properties	:	Ingredient name propan-2-ol 1.64 The product itself is i vapour or dust with a	mm Hg 33.00268	kPa 4.4 ve, but ble.	Method the formation	mm Hg	kPa	Method
water Vapour pressure Relative density Explosive properties	: : : :	Ingredient name propan-2-ol 1.64 The product itself is i vapour or dust with a	mm Hg 33.00268	kPa 4.4 ve, but ble.	Method the formation	mm Hg	kPa	

No additional information.

Code	: 000001201992	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC	105 HARDENER		

## **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.
10.6 Hazardous decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides nitrogen oxides metal oxide/oxides

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
propan-2-ol	LC50 Inhalation Vapour	Rat	72600 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5045 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
2,4,6-tris(dimethylaminomethyl)phenol	LD50 Dermal	Rat	1280 mg/kg	-
	LD50 Oral	Rat	1200 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and	Rat	>5700 mg/m <sup>3</sup>	4 hours
	mists			
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 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	-
ethylenediamine	LC50 Inhalation Gas.	Rat	6000 ppm	4 hours
	LD50 Dermal	Rabbit -	560 mg/kg	-
		Male		
	LD50 Oral	Rat - Male,	841 mg/kg	-
		Female		

**Conclusion/Summary** : There are no data available on the mixture itself.

### Irritation/Corrosion

Product/ingredien	t name	Result	Species	Score	Exposure	Observation
xylene		Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary			•			•
Skin	: There are	no data available on the r	nixture itself			
Eyes	: There are no data available on the		nixture itself			
Respiratory	ratory : There are no data available on the		nixture itself			
<u>Sensitisation</u>						
Conclusion/Summary						

Code	: 000001201992	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC	105 HARDENER		

## **SECTION 11: Toxicological information**

Skin	: There are no data available on the mixture itself.	
Respiratory	: There are no data available on the mixture itself.	
Mutagenicity		
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.	
<b>Carcinogenicity</b>		
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.	
Reproductive toxicity		
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.	
<b>Teratogenicity</b>		
Conclusion/Summary	: There are no data available on the mixture itself.	

Product/ingredient name Product/ingredient name		Cate	gory	Route of exposure	Target organs
		Cate	gory	Route of exposure	Target organs
Product/ingredient name		<b>I</b>		Re	sult
nformation on likely : Not available. routes of exposure					
Potential acute health eff	ects				
Inhalation	: No known significant e	effects or criti	cal haz	ards.	
Ingestion	: No known significant e	effects or criti	cal haz	ards.	
Skin contact	: Causes skin irritation.	Defatting to	the ski	n.	
Eye contact	: 🖉 auses serious eye irritation.				
Symptoms related to the	physical, chemical and tox	<u>kicological cl</u>	naracte	eristics	
Inhalation	: No specific data.				
Ingestion	: No specific data.				
Skin contact	: Adverse symptoms m irritation redness dryness cracking	ay include the	e follow	ving:	
Eye contact	: Adverse symptoms m pain or irritation watering redness	ay include the	e follow	/ing:	
Delayed and immediate e	ffects as well as chronic ef	ffects from s	hort a	nd long-term expos	<u>sure</u>
Short term exposure					
Potential immediate effects	: Not available.				
Potential delayed effec	ts : Not available.				
Long term exposure					
Potential immediate effects	: Not available.				
Potential delayed effec	ts : Not available.				

Potential delayed effects : Not available. Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

Code	: 000001201992	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC <sup>·</sup>	105 HARDENER		

## **SECTION 11: Toxicological information**

General	: Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

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
propan-2-ol	Acute EC50 10100 mg/l	Daphnia - Daphnia	48 hours
	Fresh water	magna	
2,4,6-tris(dimethylaminomethyl)phenol	Acute LC50 >100 mg/l	Daphnia	48 hours
	Acute LC50 >100 mg/l	Fish	96 hours
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l	Daphnia - Daphnia	48 hours
	Fresh water	magna - Neonate	
	Chronic NOEC 0.017 mg/l	Algae	72 hours
	Fresh water		
ethylbenzene	Acute EC50 1.8 mg/l Fresh	Daphnia	48 hours
	water		
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	

Conclusion/Summary

There are no data available on the mixture itself.

#### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
₹,4,6-tris (dimethylaminomethyl)phenol	OECD 301D Ready Biodegradability - Closed Bottle Test	4 % - Not readily - 28 days	-	-
ethylbenzene ethylenediamine	-	79 % - Readily - 10 days 95 % - 28 days	-	-

#### **Conclusion/Summary** : There are no data available on the mixture itself.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
✓ylene 2,4,6-tris(dimethylaminomethyl)phenol ethylbenzene ethylenediamine	- - -	- - -	Readily Not readily Readily Readily

Code : 000001201992 : 22 October 2024 Date of issue/Date of revision SIGMAZINC 105 HARDENER

### **SECTION 12: Ecological information**

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential	
propan-2-ol	0.05	-	Low	
xylene	3.12	7.4 to 18.5	Low	
2,4,6-tris(dimethylaminomethyl)phenol	0.219	-	Low	
ethylbenzene	3.6	79.43	Low	
ethylenediamine	-2.04	-	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

#### **Product** 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. : Yes.

**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**

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

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

Code : 000001201992

Date of issue/Date of revision :

: 22 October 2024

SIGMAZINC 105 HARDENER

### **SECTION 13: Disposal considerations**

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.

### **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	Ш	II	II
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### Additional information

ADR/RID	: None identified.
Tunnel code	: (D/E)
IMDG	: None identified.
ΙΑΤΑ	: None identified.

**14.6 Special precautions 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 in bulk	1	Not applicable.
according to IMO		
instruments		

## **SECTION 15: Regulatory information**

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern Intrinsic property **Status** Reference Date of **Ingredient name** number revision Substance of ethylenediamine Recommended D(2021) 4/12/2023 equivalent concern for 4569-DC human health

Code : 000001201992	2	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC 105 HARDENER			
SECTION 15: Regula	tory information	1	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Other national and international	onal regulations.		
Explosive precursors	: Not applicable.		
Ozone depleting substance Not listed.	<u>es (1005/2009/EU)</u>		
15.2 Chemical safety assessment	: No Chemical Safety	Assessment has been carried out.	
SECTION 16: Other i	nformation		
Indicates information that h	as changed from previo	ously issued version.	
Abbreviations and acronyms	1272/2008] DNEL = Derived No EUH statement = C	n, Labelling and Packaging Regulation [Re DEffect Level LP-specific Hazard statement No Effect Concentration	gulation (EC) No.
Full text of abbreviated H statements	<ul> <li>H225 Highly flar</li> <li>H226 Flammabi</li> <li>H302 Harmful if</li> <li>H304 May be fa</li> <li>H311 Toxic in c</li> <li>H312 Harmful ir</li> <li>H312 Harmful ir</li> <li>H315 Causes si</li> <li>H317 May caus</li> <li>H318 Causes si</li> <li>H319 Causes si</li> <li>H332 Harmful if</li> <li>H334 May caus</li> <li>H335 May caus</li> <li>H336 May caus</li> <li>H373 May caus</li> <li>H373 May caus</li> <li>H373 May caus</li> <li>H373 May caus</li> <li>H400 Very toxic</li> <li>H410 Very toxic</li> </ul>	mmable liquid and vapour. le liquid and vapour. <sup>c</sup> swallowed. tal if swallowed and enters airways. ontact with skin. n contact with skin. evere skin burns and eye damage. kin irritation. e an allergic skin reaction. erious eye damage. erious eye irritation.	eated exposure.
Full text of classifications [CLP/GHS]	<ul> <li>Acute Tox. 3 Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Resp. Sens. 1B Skin Corr. 1B Skin Corr. 1C</li> </ul>	ACUTE TOXICITY - Category 3 ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATI LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category SERIOUS EYE DAMAGE/EYE IRI SERIOUS EYE DAMAGE/EYE IRI FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category RESPIRATORY SENSITISATION SKIN CORROSION/IRRITATION SKIN CORROSION/IRRITATION	FIC HAZARD - Category FIC HAZARD - Category y 1 RITATION - Category 1 RITATION - Category 2 / 2 / 3 - Category 1B - Category 1B

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU)	1
2020/878	

Code : 0	00001201992	Date of issue/Date of revision	: 22 October 2024
SIGMAZINC 105 HARDENER			
SECTION 16: Other information			

	Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
	Skin Sens. 1	SKIN SENSITISATION - Category 1
	STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
	STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
	STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
<u>History</u>		
Date of issue/ Date of revision	: 22 October 2024	
Date of previous issue	: 21 May 2024	
Prepared by	: EHS	
Version	: 2	
Disclaimer		

#### <u>Disclaimer</u>

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.