# SAFETY DATA SHEET



The information in this Safety Data Sheet is required pursuant to GHS UN rev. 7

Date of issue/Date of revision 30 August 2024

Version 1.02

Section 1. Identification	
Product code	: 000001099241
Product name	: SIGMALINE 855 HARDENER
Product type	: Liquid.
<b>Other means of identifica</b> 00184962; 00346741	tion
Relevant identified uses of	of the substance or mixture and uses advised against
Product use	<ul> <li>Mardener.</li> <li>Professional applications, Used by spraying.</li> </ul>
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
Company/undertaking identification	: PPG Industries Sales, Inc. and PPG Coatings (Philippines), Inc. 3rd Floor First Life Center 174 Salcedo St., Legaspi Village Makati City 1229, Philippines Tel # 00632- 752-6773/ Fax # 00632-752-6771
Emergency telephone number	: CHEMTREC +(63) 2-395-3308 (CCN 17704)

# Section 2. Hazards identification

Classification of the substance or mixture	: ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A RESPIRATORY SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 99.9%
GHS label elements Hazard pictograms	

Signal word

: Danger

Product code 000001099241

### Product name SIGMALINE 855 HARDENER

Section 2. Hazard	ls i	dentification
Hazard statements	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. (respiratory system)
Precautionary statements		
Prevention	:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Wear respiratory protection. Use only outdoors or in a well- ventilated area. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
Response	:	IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	:	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not : None known. result in classification

# Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

CAS number/other identifiers
------------------------------

CAS number : Not applicable.		
Ingredient name	%	CAS number
Isocyanic acid, polymethylenepolyphenylene ester	50 - 100	9016-87-9
4,4'-methylenediphenyl diisocyanate o-(p-isocyanatobenzyl)phenyl isocyanate	5 - <10 5 - <10	101-68-8 5873-54-1

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 and hence require reporting in this section.

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

SUB codes represent substances without registered CAS Numbers.

# Section 4. First aid measures

Description of necess	ary first aid measures
Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
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	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	<ul> <li>If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>

Most important symptoms/e	effects, acute and delayed
Potential acute health effe	<u>cts</u>
Eye contact	: Causes serious eye irritation.
Inhalation	<ul> <li>Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> </ul>
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure signs/sym</u>	<u>ptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
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.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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.

See toxicological information (Section 11)

# Section 5. Fire-fighting measures

<u>Extinguishing media</u>	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.

# Section 5. Fire-fighting measures

Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides Cyanate and isocyanate. hydrogen cyanide
Special protective actions 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.
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.

# Section 6. Accidental release measures

### Personal precautions, protective 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	<ul> <li>If specialized 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".</li> </ul>
Environmental precautions	: Avoid dispersal of spilled 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).
Methods and materials for co	ntainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. 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. Approach 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 (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
Special provisions	: 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 (see Section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13). Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

Product code 000001099241 Product name SIGMALINE 855 HARDENER

# Section 7. Handling and storage

Precautions for safe handling	
Protective measures :	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease 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 breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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.
Conditions for safe storage, : including any incompatibilities	<ul> <li>Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. 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. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</li> <li>Precautions should be taken to minimize exposure to atmospheric humidity or water. CO<sub>2</sub> will be formed, which, in closed containers, could result in pressurization.</li> </ul>

# Section 8. Exposure controls/personal protection

### **Control parameters**

#### **Occupational exposure limits**

Ingredient name 4,4'-methylenediphenyl diisocyanate		Exposure limitsTLV (Philippines, 4/2016).TLV-Ceiling: 0.2 mg/m³ 8 hours.TLV-Ceiling: 0.02 ppm 8 hours.
Appropriate engineering controls Environmental exposure controls	ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.	

Individual protection measures

### Section 8. Exposure controls/personal protection

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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection Skin protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: 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.
Gloves	: butyl rubber
Body protection	<ul> <li>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.</li> </ul>
Other skin protection	<ul> <li>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.</li> </ul>
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Restrictions on use	: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

# Section 9. Physical and chemical properties

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

#### **Appearance**

Physical state		Liquid.		
Color	н.	Colorless.		
Odor	1	Amine-like.		
Odor threshold	1	Not available.		
Melting point/freezing point	1	Not available.		
Boiling point, initial boiling point, and boiling range	:	>37.78°C (>100°F)		
Flammability	:	Not available.		
Lower and upper explosive (flammable) limits	1	Not available.		
Flash point	1	Closed cup: Not applicable.		
Auto-ignition temperature	1	Ingredient name	°C	°F
		4,4'-methylenediphenyl diisocyanate	>601	>1113.8

Method EU A.15

# Section 9. Physical and chemical properties

Decomposition temperature	1	Not available.						
рН	1	Not applicable.						
Viscosity	:	Kinematic (40°C): >2	21 mm²/s					
Solubility/icc)		Media	Re	sult				
Solubility(ies)	1	cold water	No	t soluble				
Partition coefficient: n- octanol/water	:	Not applicable.						
Vapor pressure	1		Vapo	r Pressu	re at 20°C	Vap	oor press	ure at 50°C
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		o-(p-isocyanatobenzyl) phenyl isocyanate	0.00001	0.0000013	EU A.4			
Relative density	:	1.23	•		•	•		
Relative vapor density	1	Not available.						
Particle characteristics								
Median particle size	1	Not applicable.						
Evaporation rate		Not available.						

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: In a fire, hazardous decomposition products may be produced.
Incompatible materials	: Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, water. Uncontrolled exothermic reactions occur with amines and alcohols.
Hazardous decomposition products	<ul> <li>Depending on conditions, decomposition products may include the following materials: Cyanate and isocyanate. carbon oxides nitrogen oxides hydrogen cyanide</li> </ul>
Hazardous polymerization	<ul> <li>Under normal conditions of storage and use, hazardous polymerization will not occur.</li> </ul>

# Section 11. Toxicological information

### Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Isocyanic acid, polymethylenepolyphenylene ester	LD50 Dermal	Rabbit	>9400 mg/kg	-
4,4'-methylenediphenyl diisocyanate	LD50 Oral LD50 Oral	Rat Rat	49 g/kg 9200 mg/kg	-

**mmary** : There are no data available on the mixture itself.

# Section 11. Toxicological information

### Irritation/Corrosion

Dreduct/in are diant name						
Product/ingredient name	Result		Species	Score	Exposure	e Observation
4,4'-methylenediphenyl diisocyanate	Skin - Irritant		Rabbit	-	-	-
Conclusion/Summary		·				
Skin	: There are no	data availabl	e on the mix	ture itself.		
Eyes	: There are no	data availabl	e on the mix	ture itself.		
Respiratory	: There are no	data availabl	e on the mix	ture itself.		
ensitization	_					
Product/ingredient name	Route of exposure	Species		R	esult	
4,4'-methylenediphenyl	Respiratory	Guinea piç	9	S	ensitizing	
diisocyanate	skin	Mouse		s	ensitizing	
Conclusion/Summary						
Skin	: There are no	data availabl	e on the mix	ture itself.		
Respiratory	: There are no	data availabl	e on the mix	ture itself.		
lutagenicity						
Conclusion/Summary	: There are no	data availabl	e on the mix	ture itself.		
arcinogenicity						
Product/ingredient name	Result		<b>•</b> ••			Experies
i roudouringreaterit name	rtoount		Species	טן	ose	Exposure
4,4'-methylenediphenyl	Positive - Inhala	tion - TC	Rat		ose to 6 mg/m <sup>3</sup>	2 years; 5 days per week
4,4'-methylenediphenyl diisocyanate			Rat	0		2 years; 5 days
4,4'-methylenediphenyl diisocyanate Conclusion/Summary	Positive - Inhala		Rat	0		2 years; 5 days
4,4'-methylenediphenyl diisocyanate Conclusion/Summary Reproductive toxicity Conclusion/Summary	Positive - Inhala	data availabl	Rat e on the mix	0 ture itself.		2 years; 5 days
4,4'-methylenediphenyl diisocyanate Conclusion/Summary Reproductive toxicity Conclusion/Summary	Positive - Inhalat	data availabl	Rat e on the mix	0 ture itself.		2 years; 5 days
4,4'-methylenediphenyl diisocyanate Conclusion/Summary Reproductive toxicity Conclusion/Summary	Positive - Inhalat	data availabl data availabl	Rat e on the mix e on the mix	ture itself. ture itself.		2 years; 5 days
4,4'-methylenediphenyl diisocyanate Conclusion/Summary Reproductive toxicity	Positive - Inhalat : There are no of : There are no of : There are no of	data availabl data availabl data availabl	Rat e on the mix e on the mix	ture itself. ture itself.		2 years; 5 days
4,4'-methylenediphenyl diisocyanate Conclusion/Summary Conclusion/Summary eratogenicity Conclusion/Summary Specific target organ toxici	Positive - Inhalat : There are no of : There are no of : There are no of	data availabl data availabl data availabl	Rat e on the mix e on the mix	ture itself. ture itself. ture itself.		2 years; 5 days
4,4'-methylenediphenyl diisocyanate Conclusion/Summary Conclusion/Summary eratogenicity Conclusion/Summary Specific target organ toxici Name	Positive - Inhalat : There are no o : There are no o : There are no o ty (single exposu	data availabl data availabl data availabl ure)	Rat e on the mix e on the mix e on the mix	ture itself. ture itself. ture itself.	to 6 mg/m <sup>3</sup>	2 years; 5 days per week Target organs Respiratory tract
4,4'-methylenediphenyl diisocyanate Conclusion/Summary eeproductive toxicity Conclusion/Summary eratogenicity Conclusion/Summary Specific target organ toxici Name Isocyanic acid, polymethylen	Positive - Inhalat : There are no of : There are no of : There are no of ty (single exposute repolyphenylene estimations)	data availabl data availabl data availabl ure)	Rat e on the mix e on the mix e on the mix Category	ture itself. ture itself. ture itself.	to 6 mg/m <sup>3</sup>	2 years; 5 days per week Target organs Respiratory tract irritation Respiratory tract
4,4'-methylenediphenyl diisocyanate Conclusion/Summary teproductive toxicity Conclusion/Summary eratogenicity Conclusion/Summary Specific target organ toxici Name Isocyanic acid, polymethylen 4,4'-methylenediphenyl diiso	Positive - Inhalat : There are no of : There are no of : There are no of ty (single exposu repolyphenylene es cyanate	data availabl data availabl data availabl ure)	Rat e on the mix e on the mix e on the mix Category Category 3	ture itself. ture itself. ture itself.	to 6 mg/m <sup>3</sup>	2 years; 5 days per week Target organs Respiratory tract irritation
4,4'-methylenediphenyl diisocyanate Conclusion/Summary Reproductive toxicity Conclusion/Summary Feratogenicity Conclusion/Summary	Positive - Inhalat : There are no of : There are no of : There are no of ty (single exposu repolyphenylene es cyanate // isocyanate	data available data available data available ire) ster	Rat e on the mix e on the mix e on the mix <b>Category</b> Category 3 Category 3	ture itself. ture itself. ture itself.	to 6 mg/m <sup>3</sup>	2 years; 5 days per week Target organs Respiratory tract irritation Respiratory tract irritation Respiratory tract irritation Respiratory tract
4,4'-methylenediphenyl diisocyanate Conclusion/Summary eeproductive toxicity Conclusion/Summary eratogenicity Conclusion/Summary Specific target organ toxici Name Isocyanic acid, polymethylen 4,4'-methylenediphenyl diiso o-(p-isocyanatobenzyl)pheny	Positive - Inhalat : There are no of : There are no of : There are no of ty (single exposu repolyphenylene es cyanate // isocyanate	data available data available data available ire) ster	Rat e on the mix e on the mix e on the mix <b>Category</b> Category 3 Category 3	ture itself. ture itself. ture itself. ture itself. exp - - - - Rot	to 6 mg/m <sup>3</sup>	2 years; 5 days per week Target organs Respiratory tract irritation Respiratory tract irritation Respiratory tract irritation Respiratory tract

# Section 11. Toxicological information

### Aspiration hazard

Not available.

Information on the likely routes of exposure	:	Not available.
Potential acute health effects	2	
Eye contact	1	Causes serious eye irritation.
Inhalation	:	Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact	1	Causes skin irritation. May cause an allergic skin reaction.
Ingestion	4	No known significant effects or critical hazards.
Symptoms related to the phy	<u>vsic</u>	al, chemical and toxicological characteristics
Eye contact	-	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	:	Adverse symptoms may include the following: respiratory tract irritation coughing wheezing and breathing difficulties asthma
Skin contact	:	Adverse symptoms may include the following: irritation redness
Ingestion	:	No specific data.
Delayed and immediate effect	ts	and also chronic effects from short and long term exposure
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 effe	ect	<u>s</u>
Not available.		
General	:	May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	:	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	:	No known significant effects or critical hazards.
Reproductive toxicity	:	No known significant effects or critical hazards.

# Numerical measures of toxicity

Acute toxicity estimates

# Section 11. Toxicological information

Route	ATE value	
Inhalation (vapors) Inhalation (dusts and mists)	55 mg/l 1.67 mg/l	

### Other information

Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Repeated exposure may lead to permanent respiratory disability. Moisture-sensitive material.

### Section 12. Ecological information

**Toxicity** 

Not available.

### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
4,4'-methylenediphenyl diisocyanate	4.51	-	High
o-(p-isocyanatobenzyl) phenyl isocyanate	4.51	-	High

#### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>)

Other adverse effects

: Not available.

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

	UN	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

- UN: None identified.IMDG: None identified.
- IATA : None identified.

**Special precautions for user** :**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.

Transport in bulk according : Not applicable. to IMO instruments

# Section 15. Regulatory information

#### International regulations

Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 30 August 2024
Date of previous issue	: 8/27/2024
Version	: 1.02
Prepared by	: EHS
Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships,</li> </ul>

**Philippines** 

Product code 000001099241 Product name SIGMALINE 855 HARDENER

### Section 16. Other information

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations

### Procedure used to derive the classification

Classification	Justification
ACUTE TOXICITY (inhalation) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A RESPIRATORY SENSITIZATION - Category 1 SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract	Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2	Calculation method

**V** Indicates information that has changed from previously issued version.

#### Notice to reader

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.