# **SAFETY DATA SHEET**

Date of issue/Date of revision

United Arab Emirates

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

: 10 July 2024

Version

: 2.05

1.1 Product identifier	
Product name	: SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)
Product code	: 00326453
Other means of identificatio	n
Not available.	
1.2 Relevant identified uses o	f 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 t	he safety data sheet
Sigma Paint Saudi Arabia Ltd.	
PO Box 7509 Dammam 31472	
Saudi Arabia	
Tel: 00966 138 47 31 00 Fax: 00966 138 47 17 34	
T ax. 00900 130 47 17 54	
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa
1.4 Emergency telephone number	: 00966 138473100 extn 1001

# **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 STOT RE 2, H373 Aquatic Chronic 2, H411 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

Code       : 00326453       Date of issue/Date of revision       : 10.         SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)         SECTION 2: Hazards identification         Hazard pictograms       :	
Hazard pictograms       :       iver a second secon	
Signal word       :       Warning         Hazard statements       :       Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.         Precautionary statements       :       Wear protective gloves. Wear eye or face protection. Keep away from h surfaces, sparks, open flames and other ignition sources. No smoking. / the environment. Do not breathe vapour.         Response       :       Collect spillage.         Storage       :       Not applicable.         Disposal       :       Dispose of contents and container in accordance with all local, regional, international regulations. P280, P210, P273, P260, P391, P501         Hazardous ingredients       :       fils=[4-(2,3-epoxipropoxi)pheny]]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700         Hazardous ingredients       :       fortains epoxy constituents. May produce an allergic reaction.         Supplemental label elements       :       fortains epoxy constituents. May produce an allergic reaction.         Annex XVII - Restrictions on the manufacture, placing on the market and       :       Not applicable.	
Hazard statements       : Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.         Precautionary statements       : Wear protective gloves. Wear eye or face protection. Keep away from h surfaces, sparks, open flames and other ignition sources. No smoking. // the environment. Do not breathe vapour.         Response       : Collect spillage.         Storage       : Not applicable.         Disposal       : Dispose of contents and container in accordance with all local, regional, international regulations. P280, P210, P273, P260, P391, P501         Hazardous ingredients       : bis-[4-(2,3-epoxipropoxi)phenyl]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700 <mw<=1100) epoxy resin (MW ≤ 700) crystalline silica, respirable powder (&lt;10 microns) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene         Supplemental label elements       : fontains epoxy constituents. May produce an allergic reaction.         Annex XVII - Restrictions on the manufacture, placing on the market and       : Not applicable.</mw<=1100) 	
Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.Precautionary statementsPrevention: Wear protective gloves. Wear eye or face protection. Keep away from h surfaces, sparks, open flames and other ignition sources. No smoking. A the environment. Do not breathe vapour.Response: Collect spillage.Storage: Not applicable.Disposal: Dispose of contents and container in accordance with all local, regional, r international regulations. P280, P210, P273, P260, P391, P501Hazardous ingredients: Ims-[4-(2,3-epoxipropoxi)phenyl]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700 <mw<=1100) </mw<=1100)  epoxy resin (MW ≤ 700) crystalline silica, respirable powder (<10 microns) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzeneSupplemental label elements: Not applicable.Annex XVII - Restrictions on the manufacture, placing on the market and: Not applicable.	
Precautionary statements         Prevention         :       Wear protective gloves. Wear eye or face protection. Keep away from h surfaces, sparks, open flames and other ignition sources. No smoking. A the environment. Do not breathe vapour.         Response       :       Collect spillage.         Storage       :       Not applicable.         Disposal       :       Dispose of contents and container in accordance with all local, regional, international regulations. P280, P210, P273, P260, P391, P501         Hazardous ingredients       :       Dis-[4-(2,3-epoxipropoxi))phenyl]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700 <mw<=1100) epoxy resin (MW ≤ 700) crystalline silica, respirable powder (&lt;10 microns) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene         Supplemental label elements       :       ©ontains epoxy constituents. May produce an allergic reaction.         Annex XVII - Restrictions on the manufacture, placing on the market and       :       Not applicable.</mw<=1100) 	
surfaces, sparks, open flames and other ignition sources. No smoking. /         Response       :         Collect spillage.         Storage       :         Disposal       :         Bisposal       :         Disposal       :         Bisposal       :         Bisposal       :         Disposal       :         Disposal       :         Disposal       :         Bis-[4-(2,3-epoxipropoxi)phenyl]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700 <mw<=1100) </mw<=1100)  epoxy resin (MW ≤ 700) crystalline silica, respirable powder (<10 microns) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene         Supplemental label elements       :         Annex XVII - Restrictions on the manufacture, placing on the market and       :	
Storage: Not applicable.Disposal: Dispose of contents and container in accordance with all local, regional, regional, regional, regulations. P280, P210, P273, P260, P391, P501Hazardous ingredients: Dis-[4-(2,3-epoxipropoxi)phenyl]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700 <mw<=1100) </mw<=1100)  epoxy resin (MW ≤ 700) crystalline silica, respirable powder (<10 microns) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzeneSupplemental label elements: Contains epoxy constituents. May produce an allergic reaction.Annex XVII - Restrictions on the manufacture, placing on the market and: Not applicable.	
Disposal       : Dispose of contents and container in accordance with all local, regional, international regulations. P280, P210, P273, P260, P391, P501         Hazardous ingredients       : Dis-[4-(2,3-epoxipropoxi)phenyl]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700 <mw<=1100) epoxy resin (MW ≤ 700) crystalline silica, respirable powder (&lt;10 microns) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene         Supplemental label elements       : Contains epoxy constituents. May produce an allergic reaction.         Annex XVII - Restrictions on the manufacture, placing on the market and       : Not applicable.</mw<=1100) 	
international regulations.         P280, P210, P273, P260, P391, P501         Hazardous ingredients         : Dis-[4-(2,3-epoxipropoxi)phenyl]propane Trimethylolpropane triacrylate, ethoxylated Epoxy Resin (700 <mw<=1100) epoxy resin (MW ≤ 700) crystalline silica, respirable powder (&lt;10 microns) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene         Supplemental label elements       : Contains epoxy constituents. May produce an allergic reaction.         Annex XVII - Restrictions on the manufacture, placing on the market and       : Not applicable.</mw<=1100) 	
Trimethylolpropane triacrylate, ethoxylated         Epoxy Resin (700 <mw<=1100)< td="">         epoxy resin (MW ≤ 700)         crystalline silica, respirable powder (&lt;10 microns)</mw<=1100)<>	national and
elements Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and	
on the manufacture, placing on the market and	
substances, mixtures and articles	
Special packaging requirements	
Containers to be fitted : Not applicable. with child-resistant fastenings	
Tactile warning of danger : Not applicable.	
2.3 Other hazards	
<b>Product meets the criteria</b> : This mixture does not contain any substances that are assessed to be a for PBT or vPvB	PBT or a vPvE
Other hazards which do : Prolonged or repeated contact may dry skin and cause irritation. not result in classification	

Code : 00326453

SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)

Date of issue/Date of revision

: 10 July 2024

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

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: Mixture

				Specific Conc.	
Product/ingredient name	Identifiers	%	Classification	Limits, M-factors and ATEs	Туре
₩ylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - ≤18	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]
trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≥5.0 - ≤10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
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]
Trimethylolpropane triacrylate, ethoxylated	EC: 500-066-5 CAS: 28961-43-5	≥1.0 - ≤5.0	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412	-	[1]
Epoxy Resin (700 <mw &lt;=1100)</mw 	CAS: 25036-25-3	≥1.0 - ≤5.0	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[1]
epoxy resin (MW  ≤ 700)	REACH #: 01-2119456619-26 EC: 500-033-5 CAS: 25068-38-6	≥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 - ≤5.0	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]
1-methoxy-2-propanol	REACH #: 01-2119457435-35 EC: 203-539-1 CAS: 107-98-2 Index: 603-064-00-3	≥1.0 - ≤5.0	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
crystalline silica, respirable powder (<10 microns)	EC: 238-878-4 CAS: 14808-60-7	≥1.0 - ≤5.0	STOT RE 1, H372 (inhalation)	-	[1] [2]
2-methylpropan-1-ol	REACH #: 01-2119484609-23 EC: 201-148-0 CAS: 78-83-1	≤1.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	-	[1] [2]
		English	(GB) United Arab Er	nirates	3/18

Code : 0032645	3		Date of issue/Date of revisi	ion : 10 July	2024
SIGMACOVER 456 HS E	BASE (LEAD FREE COLO	URS)			
SECTION 3: Com	position/information	tion o	n ingredients		
	Index: 603-108-00-1		STOT SE 3, H336		
1,3-bis[12-hydroxy- octadecamide-N- methylene]-benzene	REACH #: 01-2119962189-26 CAS: 911674-82-3 Index: 616-198-00-2	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413	-	[1] [2]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≤0.30	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
			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.

Xylene: Several REACH registrations cover the REACH registered substance with xylene isomers, ethylbenzene (and toluene). The other REACH Registrations include: 01-2119555267-33 reaction mass of ethylbenzene and m-xylene and p-xylene, 01-2119486136-34 Aromatic hydrocarbons, C8, 01-2119539452-40 reaction mass of ethylbenzene and xylene. Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

This mixture contains  $\geq$  1% of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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

SUB codes represent substances without registered CAS Numbers.

# **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.		
		In case of accidental eye contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation or blistering occurs after contact.		
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 healt	h 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.			

Code : 00326453	Date of issue/Date of revision : 10 July 2024
SIGMACOVER 456 HS BA	SE (LEAD FREE COLOURS)
SECTION 4: First a	aid measures
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sy	<u>mptoms</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 imm	ediate 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.

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 from 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 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 phosphorus 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.

Code : 00326453

SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)

Date of issue/Date of revision : 10 Ju

: 10 July 2024

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	ote	ctive 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	со	ntainment 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

6.4 Reference to other sections
 See Section 1 for emergency contact information.
 See Section 8 for information on appropriate personal protective equipment.
 See Section 13 for additional waste treatment information.

hazard as the spilt product.

# **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. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. 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.

Code : 00326453		Date of issue/Date of revision	: 10 July 2024
SIGMACOVER 456 HS BAS	SE (LEAD FREE COLOURS)		
SECTION 7: Handl	ng and storage		
7.2 Conditions for safe storage, including any incompatibilities	with local regulations. container protected fro from incompatible mat sources. Separate fro until ready for use. Co kept upright to prevent	owing temperatures: 0 to 35°C (32 to 95 Store in a segregated and approved are m direct sunlight in a dry, cool and well- erials (see Section 10) and food and dri m oxidising materials. Keep container t intainers that have been opened must b leakage. Do not store in unlabelled con environmental contamination. See Secti ing or use.	ea. Store in original ventilated area, away nk. Eliminate all ignition ightly closed and sealed e carefully resealed and ntainers. Use appropriat

#### 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**

Product/ingredient name	Exposure limit values
rystalline silica, respirable powder (>10 microns)	Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 0.1 mg/m <sup>3</sup> 8 hours. Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [silica] TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable particle TWA: 3 mg/m <sup>3</sup> 8 hours. Form: respirable particulate Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [quartz silica crystalline– $\alpha$ -quartz and cristobalite] TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol ACGIH TLV (United States, 7/2023). [Silica, crystalline] Notes: Respirable fraction; see Appendix C, paragraph C. TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable
Talc , not containing asbestiform fibres	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 2 mg/m <sup>3</sup> 8 hours. ACGIH TLV (United States, 7/2023). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable
titanium dioxide	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 10 mg/m <sup>3</sup> 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 10 mg/m <sup>3</sup> 8 hours. ACGIH TLV (United States, 7/2023). TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles Abu Dhabi - OSHAD - Occupational air quality threshold limit
Aylene	English (GB) United Arab Emirates 7/18

Conforms to Regulation (EC) No. 1907/2006 (REA 2020/878	ACH), Annex II, as am	ended by Commission	Regulation (EU)
Code : 00326453	Date of issu	e/Date of revision	: 10 July 2024
SIGMACOVER 456 HS BASE (LEAD FREE COLO	URS)		
	isomers)] STEL: 651 mg/m <sup>3</sup> 1 STEL: 150 ppm 15 TWA: 434 mg/m <sup>3</sup> 8 TWA: 100 ppm 8 ho Cabinet Decree (12) Protection of Air fro [xylene (all isomers STEL: 150 ppm 15 TWA: 434 mg/m <sup>3</sup> 8 STEL: 651 mg/m <sup>3</sup> 1 TWA: 100 ppm 8 ho	minutes. hours. of 2006 Regarding Reg of Pollution (United Ara )] minutes. hours. 5 minutes. 5 minutes. States, 7/2023). [p-xyler ] Ototoxicant.	ulation Concerning b Emirates, 5/2006).
ethylbenzene	values (United Arab STEL: 543 mg/m <sup>3</sup> 1 STEL: 125 ppm 15 TWA: 100 ppm 8 hd TWA: 434 mg/m <sup>3</sup> 8 Cabinet Decree (12) Protection of Air fro STEL: 125 ppm 15 TWA: 434 mg/m <sup>3</sup> 8 STEL: 543 mg/m <sup>3</sup> 1 TWA: 100 ppm 8 hd ACGIH TLV (United	5 minutes. minutes. bours. of 2006 Regarding Reg of Pollution (United Ara minutes. hours. 5 minutes. 5 minutes. 5 minutes. States, 7/2023). Ototoxi ch there is a Biological on.	ulation Concerning b Emirates, 5/2006). cant. Notes:
1-methoxy-2-propanol	values (United Arab TWA: 369 mg/m <sup>3</sup> 8 TWA: 100 ppm 8 ho STEL: 553 mg/m <sup>3</sup> 1 STEL: 150 ppm 15 Cabinet Decree (12)	hours. burs. 5 minutes. of 2006 Regarding Reg m Pollution (United Ara minutes. hours. 5 minutes. burs. States, 7/2023). 5 minutes. minutes. hours.	ulation Concerning
crystalline silica, respirable powder (<10 microns)	Cabinet Decree (12) Protection of Air fro TWA: 0.1 mg/m <sup>3</sup> 8 f Abu Dhabi - OSHAD values (United Arab TWA: 10 mg/m <sup>3</sup> 8 h TWA: 3 mg/m <sup>3</sup> 8 ho Abu Dhabi - OSHAD	of 2006 Regarding Reg m Pollution (United Ara nours. • Occupational air qual Emirates, 7/2016). [silid ours. Form: inhalable par urs. Form: respirable par • Occupational air qual Emirates, 7/2016). [qua	b Emirates, 5/2006). lity threshold limit ca] ticle ticulate lity threshold limit
	English (GB)	United Arab Emirates	8/18

Code : 00326453		Date of issue/Date of revision : 10 July 2024
SIGMACOVER 456 HS BASE	(LEAD FREE COLO	
2-methylpropan-1-ol		<ul> <li>TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: measured as respirable fraction of the aerosol</li> <li>ACGIH TLV (United States, 7/2023). [Silica, crystalline] Notes:</li> <li>Respirable fraction; see Appendix C, paragraph C.</li> <li>TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016).</li> <li>TWA: 152 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 50 ppm 8 hours.</li> <li>Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006).</li> <li>TWA: 152 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 50 ppm 8 hours.</li> </ul>
Recommended monitoring procedures	Standard EN 66 by inhalation to strategy) Europ application and biological agen requirements for agents) Refere	uld be made to monitoring standards, such as the following: European 39 (Workplace atmospheres - Guidance for the assessment of exposure chemical agents for comparison with limit values and measurement bean Standard EN 14042 (Workplace atmospheres - Guide for the use of procedures for the assessment of exposure to chemical and ts) European Standard EN 482 (Workplace atmospheres - General or the performance of procedures for the measurement of chemical ence to national guidance documents for methods for the determination ubstances will also be required.
8.2 Exposure controls		
Appropriate engineering controls	other engineeri recommended	dequate ventilation. Use process enclosures, local exhaust ventilation or ng controls to keep worker exposure to airborne contaminants below any or statutory limits. The engineering controls also need to keep gas, concentrations below any lower explosive limits. Use explosion-proof pment.
Individual protection measu	<u>ires</u>	
Hygiene measures	eating, smoking Appropriate teo Contaminated o contaminated o	brearms and face thoroughly after handling chemical products, before g and using the lavatory and at the end of the working period. hniques should be used to remove potentially contaminated clothing. work clothing should not be allowed out of the workplace. Wash clothing before reusing. Ensure that eyewash stations and safety bese to the workstation location.
Eye/face protection Skin protection	: Chemical splas	h goggles.
Hand protection	worn at all time necessary. Co during use that noted that the t glove manufact protection time frequently repe (breakthrough t When only brie (breakthrough t	tant, impervious gloves complying with an approved standard should be s when handling chemical products if a risk assessment indicates this is insidering the parameters specified by the glove manufacturer, check the gloves are still retaining their protective properties. It should be ime to breakthrough for any glove material may be different for different urers. In the case of mixtures, consisting of several substances, the of the gloves cannot be accurately estimated. When prolonged or ated contact may occur, a glove with a protection class of 6 ime greater than 480 minutes according to EN 374) is recommended. f contact is expected, a glove with a protection class of 2 or higher ime greater than 30 minutes according to EN 374) is recommended. check that the final choice of type of glove selected for handling this
	product is the n	nost appropriate and takes into account the particular conditions of use, he user's risk assessment.

Code : 00326453 Date of issue/Date of revision : 10 July 2024 SIGMACOVER 456 HS BASE (LEAD FREE COLOURS) **Body protection** Personal protective equipment for the body should be selected based on the task being 2 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 antistatic 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. Appropriate footwear and any additional skin protection measures should be selected Other skin protection based on the task being performed and the risks involved and should be approved by a specialist before handling this product. **Respiratory protection** 2 **Environmental exposure** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some controls cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

# **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	4	Various	arious						
Odour	1	Aromatic.							
Odour threshold	1	Not available.							
Melting point/freezing point	:	May start to solidify a based on data for the Weighted average: -	e following	g ingred	ient: bis-[4-(2,3				
Initial boiling point and boiling range	:	>37.78°C	37.78°C						
Flammability	:	Not available.	lot available.						
Upper/lower flammability or explosive limits	:	Greatest known rang	ge: Lower:	1.48%	Upper: 13.749	% (1-met	thoxy-2-p	ropanol)	
Flash point	:	Closed cup: 27.9°C							
Auto-ignition temperature	:	430°C (806°F)							
Decomposition temperature	:	Stable under recomm	Stable under recommended storage and handling conditions (see Section 7).						
pH	:	Not applicable. insoluble in water.							
Viscosity	:	Kinematic (room ten Kinematic (40°C): >2		: >400 r	mm²/s				
Viscosity	:	60 - 100 s (ISO 6mm	ר)						
Solubility(ies)	:								
Media		Result							
cold water		Not soluble							
Partition coefficient: n-octanol/ water	:	Not applicable.							
Vapour pressure	;		Vapor	ur Press	sure at 20°C	Vap	our pres	sure at 50°0	
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
		2-methylpropan-1-ol	<12.00102	<1.6	DIN EN 13016-2				
Even evention webs	÷	Highest known value	: 0.84 (etl	hvlbenze	ene) Weighter	averad	e <sup>.</sup> 0 78co	mpared with	
Evaporation rate	1	butyl acetate	(		ono) morginee		0. 0.1000		

Code : 00326453	Date of issue/Date of revision : 10 July 2024
SIGMACOVER 456 HS BASE	E (LEAD FREE COLOURS)
<b>SECTION 9: Physica</b>	al and chemical properties
Vapour density	: Highest known value: 11.7 (Air = 1) (bis-[4-(2,3-epoxipropoxi)phenyl]propane). Weighted average: 5.19 (Air = 1)
Explosive properties	: The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
Oxidising properties	: Product does not present an oxidizing hazard.
Particle characteristics	
Median particle size	: Not applicable.

#### 9.2 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.				
10.6 Hazardous decomposition products	:	Depending on conditions, decomposition products may include the following materials: carbon oxides phosphorus 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
<b>x</b> ylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
trizinc bis(orthophosphate)	LC50 Inhalation Dusts and	Rat	>5.7 mg/l	4 hours
	mists		-	
	LD50 Oral	Rat	>5000 mg/kg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	LD50 Dermal	Rabbit	23000 mg/kg	-
	LD50 Oral	Rat	15000 mg/kg	-
Trimethylolpropane triacrylate, ethoxylated	LD50 Dermal	Rabbit	>13 g/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Epoxy Resin (700 <mw<=1100)< td=""><td>LD50 Dermal</td><td>Rat</td><td>&gt;2000 mg/kg</td><td>-</td></mw<=1100)<>	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 g/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	-
1-methoxy-2-propanol	LC50 Inhalation Vapour	Rat	>7000 ppm	6 hours
	LD50 Dermal	Rabbit	13 g/kg	-
	LD50 Oral	Rat	5.2 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapour	Rat	24.6 mg/l	4 hours
	English (GB)	Jnited Arab E	mirates	11/18

Code : 00326453

# SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)

# Date of issue/Date of revision

: 10 July 2024

# **SECTION 11: Toxicological information**

nalation Dusts and	Rat >570	00 mg/m³ 4	4 hours
ermal F		0 0	-
al F	Rat >500	00 mg/kg -	-
	al	al Rat >50	

#### **Conclusion/Summary** Irritation/Corrosic

	•			
on				

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Eyes - Mild irritant	Rabbit	-	24 hours	-
	Eyes - Redness of the	Rabbit	0.4	24 hours	-
	conjunctivae				
	Skin - Oedema	Rabbit	0.5	4 hours	-
	Skin - Erythema/Eschar	Rabbit	0.8	4 hours	-
	Skin - Mild irritant	Rabbit	-	4 hours	-
epoxy resin (MW ≤ 700)	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-

#### **Conclusion/Summary**

- Skin : There are no data available on the mixture itself.
- : There are no data available on the mixture itself. Eyes
- Respiratory

: There are no data available on the mixture itself.

#### **Sensitisation**

Product/ingredient name	Route of exposure	Species	Result
bis-[4-(2,3-epoxipropoxi)phenyl]propane	skin	Mouse	Sensitising
epoxy resin (MW ≤ 700)	skin	Mouse	Sensitising

Conclusion/Summary	
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>	
<b>Conclusion/Summary</b>	: There are no data available on the mixture itself.
Specific target organ toxi	city (single exposure)

## Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene 1-methoxy-2-propanol 2-methylpropan-1-ol	Category 3 Category 3 Category 3 Category 3	- -	Respiratory tract irritation Narcotic effects Respiratory tract irritation Narcotic effects

Specific target organ toxicity (repeated exposure)

English (GB)

Code : 00326453

SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)

Date of issue/Date of revision

: 10 July 2024

**SECTION 11: Toxicological information** 

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene Quartz (SiO2)	Category 2 Category 1	- inhalation	hearing organs -

#### Aspiration hazard

Product/ir	ngredient name	Result
xylene ethylbenzene		ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
Information on likely routes of exposure	: Not available.	
Potential acute health effect	<u>S</u>	
Inhalation	: No known significant effects or crit	ical hazards.
Ingestion	: No known significant effects or crit	ical hazards.
Skin contact	: Causes skin irritation. Defatting to	the skin. May cause an allergic skin reaction.
Eye contact	: Causes serious eye irritation.	
Symptoms related to the phy	ysical, chemical and toxicological c	haracteristics
Inhalation	: No specific data.	
Ingestion	: No specific data.	
Skin contact	: Adverse symptoms may include th irritation redness dryness cracking	e following:
Eye contact	: Adverse symptoms may include th pain or irritation watering redness	e following:
Delayed and immediate effect	cts as well as chronic effects from s	short and long-term exposure
Short term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
<u>Long term exposure</u>		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Potential chronic health effe	<u>cts</u>	
Not available.		
Conclusion/Summary	: Not available.	
General	: May cause damage to organs thro repeated contact can defat the skir	ugh prolonged or repeated exposure. Prolonged or and lead to irritation, cracking and/or dermatitis. reaction may occur when subsequently exposed to
Carcinogenicity	: No known significant effects or crit	ical hazards.
Mutagenicity	: No known significant effects or crit	ical hazards.
Reproductive toxicity	: No known significant effects or crit	ical hazards.
Other information	: Not available.	

Code : 00326453

SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)

Date of issue/Date of revision

: 10 July 2024

# **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. Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. In case of accidental skin contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation, rash or blistering occurs after contact. 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
rizinc bis(orthophosphate)	Acute LC50 0.112 mg/l	Fish	96 hours
	Chronic NOEC 0.026 mg/l	Fish	30 days
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Acute LC50 1.8 mg/l Fresh	Daphnia - <i>daphnia</i>	48 hours
	water	magna	
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
Trimethylolpropane triacrylate, ethoxylated	Acute EC50 2.2 mg/l	Algae	72 hours
	Acute EC50 70.7 mg/l	Daphnia	48 hours
	Acute LC50 1.95 mg/l	Fish	96 hours
epoxy resin (MW ≤ 700)	Acute LC50 1.8 mg/l	Daphnia	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh	Daphnia	48 hours
	water		
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
	Acute LC50 >4500 mg/l	Fish	96 hours
	Fresh water		
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
Reaction products of 12-hydroxyoctadecanoic acid	Acute LC50 >100 mg/l	Fish	96 hours
and octadecanoic acid and	_		
1,3-phenylenedimethanamine			
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		

**Conclusion/Summary** 

: There are no data available on the mixture itself.

#### 12.2 Persistence and degradability

Code : 00326453 Date of is SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)

Date of issue/Date of revision : 10 July 2024

# **SECTION 12: Ecological information**

CECTION 12. Ecologi				
Product/ingredient name	Test	Result	Dose	Inoculum
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	OECD 301B Ready Biodegradability - CO2 Evolution Test	58 to 61 % - Readily - 28 days	-	-
epoxy resin (MW  ≤ 700) ethylbenzene	OECD 301F -	5 % - 28 days 79 % - Readily - 10 days	-	-

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene bis-[4-(2,3-epoxipropoxi)phenyl]propane Propylidynetrimethanol, ethoxylated, esters with		- - -	Readily Not readily Readily
acrylic acid epoxy resin (MW ≤ 700) ethylbenzene	-	-	Not readily Readily

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
<b>x</b> ylene	3.12	7.4 to 18.5	Low
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	2.89	-	Low
epoxy resin (MW ≤ 700)	3	31	Low
ethylbenzene	3.6	79.43	Low
1-methoxy-2-propanol	<1	-	Low
2-methylpropan-1-ol	1	-	Low

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

Code : 00326453		Date of issue/Date of revision	on : 10 July 2024
SIGMACOVER 456 HS BAS	E (LEAD FREE COLOURS)		,
SECTION 13: Dispo	sal considerations		
Methods of disposal	of this product, solution requirements of environ regional local authority via a licensed waste dis	e should be avoided or minimise is and any by-products should at inmental protection and waste dis requirements. Dispose of surplu sposal contractor. Waste should compliant with the requirements o	all times comply with the posal legislation and any s and non-recyclable products not be disposed of untreated to
Hazardous waste	: Yes.		
European waste catalog	<u>ue (EWC)</u>		
Waste code	Waste designation		
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances		
Packaging			
Methods of disposal		e should be avoided or minimise ecycled. Incineration or landfill sh e.	
Type of packaging		European waste catalogue (E	WC)
Container	15 01 06	mixed packaging	
Special precautions	taken when handling en Empty containers or lin residues may create a Do not cut, weld or grin	ontainer must be disposed of in a mptied containers that have not b ers may retain some product resi highly flammable or explosive atr d used containers unless they ha rsal of spilt material and runoff an	een cleaned or rinsed out. dues. Vapour from product nosphere inside the container. we been cleaned thoroughly
SECTION 14: Trans	port information		
		IMDG	ΙΔΤΔ

	ADR/RID	IMDG	ΙΑΤΑ	
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	Ш	III	
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.	
Marine pollutant substances	Not applicable.	(trizinc bis(orthophosphate))	Not applicable.	

Additional information

ADR/RID Tunnel code	<ul> <li>This class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.2.3.1.5.2.</li> <li>(D/E)</li> </ul>
IMDG	Fhis class 3 viscous liquid that is also environmentally hazardous is not subject to regulation in packagings up to 5 L, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8 according to 2.3.2.5.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.
	English (GB) United Arab Emirates 16/18

Code : 00326453

SIGMACOVER 456 HS BASE (LEAD FREE COLOURS)

Date of issue/Date of revision

: 10 July 2024

# SECTION 14: Transport information

14.6 Special precautions for	1	Transport within user's premises: always transport in closed containers that are
user		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 : 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 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) 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.

	English (CB) United Areh Emiretes 47/49
	H373 May cause damage to organs through prolonged or repeated exposure.
	H372 Causes damage to organs through prolonged or repeated exposure.
	H336 May cause drowsiness or dizziness.
	H335 May cause respiratory irritation.
	H332 Harmful if inhaled.
	H319 Causes serious eye irritation.
	H318 Causes serious eye damage.
	H317 May cause an allergic skin reaction.
	H315 Causes skin irritation.
	H312 Harmful in contact with skin.
	H304 May be fatal if swallowed and enters airways.
statements	H226 Flammable liquid and vapour.
Full text of abbreviated H	: H225 Highly flammable liquid and vapour.
	RRN = REACH Registration Number
	PNEC = Predicted No Effect Concentration
	EUH statement = CLP-specific Hazard statement
	1272/2008] DNEL = Derived No Effect Level
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.
Abbreviations and	: ATE = Acute Toxicity Estimate
Alphanyietiene and	

Code : 00326453		Date of issue/Date of revision: 10 July 2024
SIGMACOVER 456 HS BASE	(LEAD FREE COLOURS)	
SECTION 16: Other	information	
	H411 Toxic to aquation H412 Harmful to aqua H413 May cause long	uatic life with long lasting effects. c life with long lasting effects. atic life with long lasting effects. l lasting harmful effects to aquatic life.
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 2 Aquatic Chronic 3 Aquatic Chronic 4 Asp. Tox. 1 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1B STOT RE 1 STOT RE 2 STOT SE 3	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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