# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 20 December 2023 Version



: 1.04

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

1.1 Product identifier	
Product name	: SIGMADUR 550 BASE RAL 1016
Product code	: 00444789
Other means of identificat Not available.	on
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Product use	: Professional applications, Used by spraying.
Use of the substance/ mixture	: Coating.
Uses advised against	: Product is not intended, labelled or packaged for consumer use.
1.3 Details of the supplier o	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	1.
e-mail address of person responsible for this SDS	: ndpic@sfda.gov.sa

1.4 Emergency telephone : 00966 138473100 extn 1001 number

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture Product definition : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 3, H412 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

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SECTION 2: Hazards	identification
Hazard pictograms	
Signal word	: Warning
Hazard statements	<ul> <li>Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	: 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.
Response	: IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P273, P304 + P312, P403 + P233, P501</li> </ul>
Hazardous ingredients	<ul> <li>Kylene Octadecanamide, N,N'-1,6-hexanediylbis[12-hydroxy- Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</li> </ul>
Supplemental label elements	: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	<u>ents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

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

#### 3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
xýlene	EC: 215-535-7 CAS: 1330-20-7	≥25 - ≤49	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]
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≥5.0 - ≤10	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
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]
Octadecanamide, N, N'-1,6-hexanediylbis [12-hydroxy-	CAS: 55349-01-4	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413	-	[1]
Reaction mass of bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl- 4-piperidyl sebacate	REACH #: 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5	≤1.0	Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
trizinc bis(orthophosphate)	REACH #: 01-2119485044-40 EC: 231-944-3 CAS: 7779-90-0 Index: 030-011-00-6	≤0.30	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
toluene	REACH #: 01-2119471310-51 EC: 203-625-9 CAS: 108-88-3 Index: 601-021-00-3	≤0.30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 See Section 16 for the full text of the H statements declared above.	-	[1] [2]

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.

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

#### Туре

[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 n	neasures
Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. 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.

### 4.2 Most important symptoms and effects, both acute and delayed

# Potential acute health effectsEye contact: Causes serious eye irritation.Inhalation: May cause respiratory irritation.

Skin contact	: Causes skin irritation. De	fatting to the skin. M	lay cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

### Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.

### 4.3 Indication of any immediate 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.

SECTION 5: Firefighting measures		
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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	: 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 sulfur 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.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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

6.1 Personal precautions, pro	ective 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.

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**SECTION 6: Accidental release measures** 

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	: 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.

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

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

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### **SECTION 8: Exposure controls/personal protection**

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

### 8.1 Control parameters

#### **Occupational exposure limits**

Product/ingredient name	Exposure limit values
₩ylene	<ul> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [xylene (o, m &amp; p isomers)]</li> <li>STEL: 651 mg/m<sup>3</sup> 15 minutes.</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>TWA: 100 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>[xylene (all isomers)]</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 8 hours.</li> <li>STEL: 150 ppm 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 434 mg/m<sup>3</sup> 15 minutes.</li> <li>TWA: 100 ppm 8 hours.</li> <li>ACGIH TLV (United States, 1/2023). [p-xylene and mixtures containing p-xylene] Ototoxicant.</li> <li>TWA: 20 ppm 8 hours.</li> </ul>
barium sulfate	<ul> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 10 mg/m<sup>3</sup> 8 hours.</li> <li>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.</li> <li>ACGIH TLV (United States, 1/2023). Notes: The value is for total dust containing no asbestos and &lt; 1% crystalline silica. TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Inhalable fraction</li> </ul>
n-butyl acetate	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). STEL: 950 mg/m <sup>3</sup> 15 minutes. STEL: 200 ppm 15 minutes. TWA: 713 mg/m <sup>3</sup> 8 hours. TWA: 150 ppm 8 hours. ACGIH TLV (United States, 1/2023). [Butyl acetates all isomers] STEL: 150 ppm 15 minutes. TWA: 50 ppm 8 hours.
titanium dioxide	<ul> <li>Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 10 mg/m<sup>3</sup> 8 hours.</li> <li>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.</li> <li>ACGIH TLV (United States, 1/2023). TWA: 2.5 mg/m<sup>3</sup> 8 hours. Form: respirable fraction, finescale</li> </ul>
ethylbenzene	particles <b>Abu Dhabi - OSHAD - Occupational air quality threshold limit</b> <b>values (United Arab Emirates, 7/2016).</b> STEL: 543 mg/m <sup>3</sup> 15 minutes. STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours. TWA: 434 mg/m <sup>3</sup> 8 hours.
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Talc , not containing asbest	iform fibres	Cabinet Decree (12) of 2006 Regarding F Protection of Air from Pollution (United STEL: 125 ppm 15 minutes. TWA: 434 mg/m <sup>3</sup> 8 hours. STEL: 543 mg/m <sup>3</sup> 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 1/2023). Otot Substances for which there is a Biologic Indices 2002 Adoption. TWA: 20 ppm 8 hours. Abu Dhabi - OSHAD - Occupational air of values (United Arab Emirates, 7/2016). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: measured the aerosol Cabinet Decree (12) of 2006 Regarding F Protection of Air from Pollution (United TWA: 2 mg/m <sup>3</sup> 8 hours. ACGIH TLV (United States, 1/2023). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable	Arab Emirates, 5/2006). Exposure Index or Juality threshold limit as respirable fraction of Regulation Concerning Arab Emirates, 5/2006).
Recommended monitoring procedures	Standard EN 689 by inhalation to o strategy) Europe application and u biological agents requirements for agents) Referen	d be made to monitoring standards, such as 9 (Workplace atmospheres - Guidance for th chemical agents for comparison with limit val- ean Standard EN 14042 (Workplace atmosp use of procedures for the assessment of exp s) European Standard EN 482 (Workplace a the performance of procedures for the meas nee to national guidance documents for meth bstances will also be required.	e assessment of exposure ues and measurement heres - Guide for the osure to chemical and tmospheres - General surement of chemical
8.2 Exposure controls			
Appropriate engineering controls	other engineerin recommended o	lequate ventilation. Use process enclosures, g controls to keep worker exposure to airbor or statutory limits. The engineering controls a oncentrations below any lower explosive limi ment.	ne contaminants below any Ilso need to keep gas,
Individual protection meas	ures		
Hygiene measures	eating, smoking Appropriate tech Contaminated w contaminated clo	rearms and face thoroughly after handling ch and using the lavatory and at the end of the uniques should be used to remove potentially ork clothing should not be allowed out of the othing before reusing. Ensure that eyewash se to the workstation location.	working period. contaminated clothing. workplace. Wash
Eye/face protection Skin protection	: Chemical splash	i goggles.	
Hand protection	worn at all times necessary. Con- during use that the noted that the tim glove manufactu protection time of frequently repeat (breakthrough tim When only brief (breakthrough tim The user must of product is the mo	ant, impervious gloves complying with an app when handling chemical products if a risk as sidering the parameters specified by the glow he gloves are still retaining their protective pr ne to breakthrough for any glove material ma arers. In the case of mixtures, consisting of s of the gloves cannot be accurately estimated. ted contact may occur, a glove with a protect me greater than 480 minutes according to EN contact is expected, a glove with a protection me greater than 30 minutes according to EN heck that the final choice of type of glove sel ost appropriate and takes into account the pa e user's risk assessment.	ssessment indicates this is ve manufacturer, check roperties. It should be ay be different for different everal substances, the When prolonged or tion class of 6 N 374) is recommended. a class of 2 or higher 374) is recommended. ected for handling this
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#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 Code : 00444789 Date of issue/Date of revision : 20 December 2023 SIGMADUR 550 BASE RAL 1016 : For prolonged or repeated handling, use the following type of gloves: **Gloves** Recommended: neoprene, natural rubber (latex), polyvinyl alcohol (PVA), Viton® May be used: butyl rubber Not recommended: nitrile rubber **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 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. **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** ż **Environmental exposure** Emissions from ventilation or work process equipment should be checked to ensure • controls they comply with the requirements of environmental protection legislation. In some 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.

<u>Appearance</u>					
Physical state	:	Liquid.			
Colour	:	Yellow.			
Odour	:	Aromatic. [Slight]			
Odour threshold	:	Not available.			
Melting point/freezing point	:	May start to solidify at the on data for the following i (-140°F)			°C (-138.8°F) This is based ghted average: -95.56°C
Initial boiling point and boiling range	:	>37.78°C			
Flammability	:	Not available.			
Upper/lower flammability or explosive limits	:	Greatest known range: L	ower: 1.4% Upp	er: 7.6% (n-b	utyl acetate)
Flash point	:	Closed cup: 33°C			
Auto-ignition temperature	:	Ingredient name	°C	°F	Method
		p-butyl acetate	415	779	EU A.15
Decomposition temperature	:	Futyl acetate Stable under recommend			
			led storage and		
ЪН		Stable under recommend	led storage and in water. ature): >400 mm <sup>2</sup>	handling con	
oH /iscosity	:	Stable under recommend Not applicable. insoluble Kinematic (room tempera	led storage and in water. ature): >400 mm <sup>2</sup>	handling con	
oH /iscosity /iscosity	:	Stable under recommend Not applicable. insoluble Kinematic (room tempera Kinematic (40°C): >21 m	led storage and in water. ature): >400 mm <sup>2</sup>	handling con	
oH /iscosity /iscosity Solubility(ies)	:	Stable under recommend Not applicable. insoluble Kinematic (room tempera Kinematic (40°C): >21 m	led storage and in water. ature): >400 mm <sup>2</sup>	handling con	
oH /iscosity /iscosity	:	Stable under recommend Not applicable. insoluble Kinematic (room tempera Kinematic (40°C): >21 m 40 - <60 s (ISO 6mm)	led storage and in water. ature): >400 mm <sup>2</sup>	handling con	
	:	Stable under recommend Not applicable. insoluble Kinematic (room tempera Kinematic (40°C): >21 m 40 - <60 s (ISO 6mm) Result	led storage and in water. ature): >400 mm <sup>2</sup>	handling con	

Conforms to Regulation (EC) No. 1	1907/2006 (REACH), A	Annex II, as amended by	Commission Regulation (EU)
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### **SECTION 9: Physical and chemical properties**

		In our all out a sure	Vapour Pressure at 20°C			Vapour pressure at 50		
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
		▶ butyl acetate	11.25096	1.5	DIN EN 13016-2			
Evaporation rate	:	Highest known value butyl acetate	: 1 (n-but	/l aceta	te) Weighted a	average:	0.81com	pared with
Relative density	:	1.29						
Vapour density	:	Highest known value 1)	: 4 (Air =	1) (n-b	outyl acetate).	Weighteo	d average	e: 3.74 (Air =
Explosive properties	:	The product itself is a vapour or dust with a			the formation	of an exp	olosible m	nixture of
Oxidising properties	:	Product does not pre	esent an o	xidizing	hazard.			
Particle characteristics								
Median particle size		Not applicable.						

#### 9.2 Other information

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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 sulfur oxides metal oxide/oxides				

### **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
n-butyl acetate	LC50 Inhalation Vapour	Rat	>21.1 mg/l	4 hours
	LC50 Inhalation Vapour	Rat	2000 ppm	4 hours
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LD50 Oral	Rat	10.768 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	-
Reaction mass of bis	LD50 Dermal	Rat	>3170 mg/kg	-
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### **SECTION 11:** Toxicological information

(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate				
	LD50 Oral	Rat - Male, Female	3230 mg/kg	-
trizinc bis(orthophosphate)	LC50 Inhalation Dusts and mists	Rat	>5.7 mg/l	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
toluene	LC50 Inhalation Vapour	Rat	49 g/m³	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	5580 mg/kg	-

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

### Irritation/Corrosion

Product/ingredien	t name	Result	Species	Score	Exposure	Observation
<b>x</b> ylene		Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
Conclusion/Summary						
Skin	: There are	e no data available on the r	nixture itself	-		
Eyes	: There are	e no data available on the r	nixture itself	-		
Respiratory	: There are	e no data available on the r	mixture itself			
<u>Sensitisation</u>						
Conclusion/Summary						
Skin	: There are	e no data available on the	mixture itsel	f.		
Respiratory	: There are	e no data available on the	mixture itsel	f.		
<u>Mutagenicity</u>						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
<b>Carcinogenicity</b>						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
Reproductive toxicity						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
Teratogenicity						
Conclusion/Summary	: There are	e no data available on the	mixture itsel	f.		
Charific terret error terri	alter (almala av					

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
n-butyl acetate	Category 3	-	Narcotic effects
toluene	Category 3	-	Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
	Category 2 Category 2	-	hearing organs -

**Aspiration hazard** 

Product/ingredient name	Result
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
toluene	ASPIRATION HAZARD - Category 1

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SECTION 11: Toxico	ological information
Information on likely routes of exposure	: Not available.
Potential acute health effe	cts
Inhalation	May cause respiratory irritation.
Ingestion	: No known significant effects or critical 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 p	hysical, chemical and toxicological characteristics
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Ingestion	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness
Eye contact	cracking Adverse symptoms may include the following: pain or irritation watering redness
Delayed and immediate eff	ects as well as 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	s : Not available.
Potential chronic health ef	fects
Not available.	
Conclusion/Summary	Not available.
General	<ul> <li>Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.</li> </ul>
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.
Repeated exposure to high v nervous system damage. Inl	Ict may dry skin and cause irritation. Sanding and grinding dusts may be harmful if inhaled. /apor concentrations may cause irritation of the respiratory system and permanent brain and nalation of vapour/aerosol concentrations above the recommended exposure limits causes 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.

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**SECTION 12: Ecological information** 

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>p</b> -butyl acetate	Acute LC50 18 mg/l	Fish	96 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh	Daphnia -	-
	water	Ceriodaphnia dubia	
Reaction mass of bis(1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	EC50 1.68 mg/l	Algae	72 hours
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	LC50 0.9 mg/l	Fish	96 hours
trizinc bis(orthophosphate)	Acute LC50 0.112 mg/l Chronic NOEC 0.026 mg/l	Fish Fish	96 hours 30 days

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

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result		Dose	Inoculum
-butyl acetate	TEPA and OECD 301D	83 % - Readily - 28 days	5	-	-
ethylbenzene	-	79 % - Readily - 10 days	;	-	-
Conclusion/Summary	: There are no data	a available on the mixture	e itself.		
Product/ingredient name		Aquatic half-life	Photo	lysis	Biodegradability
<mark>xy</mark> lene n-butyl acetate		-	-		Readily Readily
ethylbenzene toluene		-	-  -		Readily Readily

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	7.4 to 18.5	Low
n-butyl acetate	2.3	-	Low
ethylbenzene	3.6	79.43	Low
toluene	2.73	8.32	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.

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### **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.
Hazardous waste	:	Yes.
European waste catalogue	(E	WC)

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

### **SECTION 14: Transport information**

	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	III	III	111
14.5 Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

ADR/RID	This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
Tunnel code	: (D/E)
IMDG	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.

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SECTION 14: Transport info	ormation
IATA : None identified.	
user upright	<b>port within user's premises:</b> always transport in closed containers that are t and secure. Ensure that persons transporting the product know what to do in the of an accident or spillage.
14.7 Transport in bulk : Not ap according to IMO instruments	plicable.
<b>SECTION 15: Regulatory inf</b>	ormation
15.1 Safety, health and environmental	regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (RE	EACH)
Annex XIV - List of substances subje	ect 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 ap on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	plicable.
Other national and international regu	lations.
Explosive precursors : Not app	olicable.
Ozone depleting substances (1005/20 Not listed.	<u>009/EU)</u>
15.2 Chemical safety : No Che assessment	emical Safety Assessment has been carried out.

### **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

		English (GB) United Arab Emirates	15/16
	H361f	Suspected of damaging fertility.	
	H361d	Suspected of damaging the unborn child.	
	H336	May cause drowsiness or dizziness.	
	H335	May cause respiratory irritation.	
	H332	Harmful if inhaled.	
	H319	Causes serious eye irritation.	
	H317	May cause an allergic skin reaction.	
	H315	Causes skin irritation.	
	H312	May be fatal if swallowed and enters airways. Harmful in contact with skin.	
statements	H226 H304	Flammable liquid and vapour.	
Full text of abbreviated H	: H225	Highly flammable liquid and vapour.	
		REACH Registration Number	
		Predicted No Effect Concentration	
	EUH sta	tement = CLP-specific Hazard statement	
	DNEL =	Derived No Effect Level	
uoronymo	1272/20		
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.		
Abbreviations and	<ul> <li>ATF = A</li> </ul>	cute Toxicity Estimate	

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	H400Very toxic toH410Very toxic toH412Harmful to aH413May cause to	amage to organs through prolonged or repeated exposure. aquatic life. aquatic life with long lasting effects. quatic life with long lasting effects. ong lasting harmful effects to aquatic life. posure may cause skin dryness or cracking.				
Full text of classifications [CLP/GHS]	: Acute Tox. 4 Aquatic Acute 1 Aquatic Chronic 1 Aquatic Chronic 3 Aquatic Chronic 4 Asp. Tox. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Repr. 2 Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1A STOT RE 2	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 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 3 REPRODUCTIVE TOXICITY - Category 2 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3				
<u>History</u>						
Date of issue/ Date of revision	: 20 December 2023					
Date of previous issue	: 18 August 2023					
Prepared by	: EHS					
Version	: 1.04					
Disclaimer						

### <u>Disclaimer</u>

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