SAFETY DATA SHEET

Date of issue/Date of revision

United Arab Emirates

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

: 12 April 2024

Version

: 1.02

1.1 Product identifier	
Product name	: PPG SIGMA SAILADVANCE RX BROWN
Product code	: 000001188846
Other means of identificati 00444778	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 of	f the safety data sheet
Sigma Paint Saudi Arabia Lto 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 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 Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 The product is classified as bezerdeue according to Regulation (EC) 1272/2008 as

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 : 000001188846	5	Date of issue/Date of revision	: 12 April 2024
PPG SIGMA SAILADVANCE RX BROWN			
SECTION 2: Hazards	identification		
Hazard pictograms			>
Signal word	: Danger	• • • •	
Hazard statements	: Flammable liquid a Harmful if swallow May cause an aller Causes serious ey May cause respira May cause drowsin Suspected of caus	ed. rgic skin reaction. re damage. tory irritation. ness or dizziness.	
Precautionary statements		the life with long lasting cheets.	
Prevention		oves, protective clothing and eye or face pro , sparks, open flames and other ignition sou ronment.	
Response	: Collect spillage.		
Storage	: Store in a well-ven	tilated place. Keep container tightly closed.	
Disposal	international regula	ts and container in accordance with all local ations. , P391, P403 + P233, P501	, regional, national and
Hazardous ingredients	: dicopper oxide Hydrocarbons, C9, rosin 4-methylpentan-2- zineb (ISO) xylene Terpineol	, aromatics < 0.1% cumene one	
Supplemental label elements	: Not applicable.		
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>ients</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 assess	ed to be a PBT or a vPvE
Other hazards which do not result in classification	: Prolonged or repea	ated contact may dry skin and cause irritatic	אר.

Code : 000001188846

Date of issue/Date of revision

: 12 April 2024

PPG SIGMA SAILADVANCE RX BROWN

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
dícopper oxide	REACH #: 01-2119513794-36 EC: 215-270-7 CAS: 1317-39-1 Index: 029-002-00-X	≥25 - ≤50	Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	ATE [Oral] = 500 mg/ kg ATE [Inhalation (dusts and mists)] = 3.34 mg/l M [Acute] = 100 M [Chronic] = 10	[1] [2]
Hydrocarbons, C9, aromatics < 0.1% cumene	REACH #: 01-2119455851-35 EC: 918-668-5 CAS: 64742-95-6	≥10 - <20	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	EUH066: C ≥ 20%	[1]
rosin	REACH #: 01-2119480418-32 EC: 232-475-7 CAS: 8050-09-7 Index: 650-015-00-7	≥10 - ≤25	Skin Sens. 1, H317	-	[1] [2]
zinc oxide	REACH #: 01-2119463881-32 EC: 215-222-5 CAS: 1314-13-2 Index: 030-013-00-7	≥10 - ≤25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
4-methylpentan-2-one	REACH #: 01-2119473980-30 EC: 203-550-1 CAS: 108-10-1 Index: 606-004-00-4	≥5.0 - ≤10	Flam. Liq. 2, H225 Acute Tox. 4, H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336 EUH066	ATE [Inhalation (vapours)] = 11 mg/l EUH066: C ≥ 20%	[1] [2]
zineb (ISO)	EC: 235-180-1 CAS: 12122-67-7 Index: 006-078-00-2	≥1.0 - ≤5.0	Skin Sens. 1, H317 STOT SE 3, H335	-	[1]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥1.0 - ≤5.0	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]
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	REACH #: 01-0000017900-73 EC: 432-840-2 CAS: 220926-97-6 Index: 616-201-00-7	≥0.30 - ≤2.4	Acute Tox. 4, H332 STOT RE 2, H373 (lungs) (inhalation) Aquatic Chronic 4, H413	ATE [Inhalation (dusts and mists)] = 3.56 mg/l	[1] [2]
Terpineol	REACH #: 01-2119553062-49	≥1.0 - ≤4.4	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
		English	(GB) United Arab Er	nirates	3/18

Code : 00000	1188846		Date of issue/Date of revision	ion : 12 April	2024
PPG SIGMA SAILADV	ANCE RX BROWN				
SECTION 3: Co	mposition/informat	tion or	n ingredients		
	EC: 232-268-1 CAS: 8000-41-7		Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411		
copper(II) oxide	REACH #: 01-2119502447-44 EC: 215-269-1 CAS: 1317-38-0 Index: 029-016-00-6	≤1.0	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 100 M [Chronic] = 10	[1]
copper	REACH #: 01-2119480154-42 EC: 231-159-6 CAS: 7440-50-8	<1.0	Aquatic Acute 1, H400 Aquatic Chronic 3, H412	M [Acute] = 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.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with running wate at least 15 minutes, keeping eyelids open. Seek immediate medical attention.	r for
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 train personnel.	ned
Skin contact	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and wat or use recognised skin cleanser. Do NOT use solvents or thinners.	er
Ingestion	If swallowed, seek medical advice immediately and show the container or label. Kee person warm and at rest. Do NOT induce vomiting.	p
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 self-contained breathing apparatus. It may be dangerous to the person providing aid give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with was before removing it, or wear gloves.	c or d to

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects	
Eye contact :	Causes serious eye damage.
Inhalation :	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
Skin contact :	Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
Ingestion :	Harmful if swallowed. Can cause central nervous system (CNS) depression.
Over-exposure signs/sympton	<u>15</u>

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

Code	: 000001188846	Date of issue/Date of revision	: 12 April 2024
PPG SIGMA	SAILADVANCE RX BROWN		

SECTION 4: First aid measures

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: pain or irritation redness dryness cracking blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
4.3 Indication of any imm	ediate medical attention and special treatment needed
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , 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 very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides sulfur oxides metal oxide/oxides oxides of lead
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Code : 000001188846	Date of issue/Date of revision : 12 April 2024
PPG SIGMA SAILADVANCE R	(BROWN
SECTION 5: Firefight	ng measures
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: Accident	al 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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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

r t c t t f f f	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not 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
--------------------------------------	--

English (GB) United Arab Emirates

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878				
Code : 0000011888	Date of issue/Date of revision: 12 April 2024			
PPG SIGMA SAILADVANCE	E RX BROWN			
SECTION 7: Handli	ng and storage			
	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.

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
dicopper oxide	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [copper fume] TWA: 0.2 mg/m ³ 8 hours. Form: fumes ACGIH TLV (United States, 1/2023). [Copper Fume] TWA: 0.2 mg/m ³ 8 hours. Form: Fume
rosin	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). Skin sensitiser. Inhalation sensitiser.
	ACGIH TLV (United States, 1/2023). [resin acids as total Resin acids] Skin sensitiser. Inhalation sensitiser.
	TWA: 0.001 mg/m ³ , (as total Resin acids) 8 hours. Form: Inhalable fraction
zinc oxide	Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). TWA: 5 mg/m ³ 8 hours. Form: fumes
	STEL: 10 mg/m ³ 15 minutes. Form: fumes Abu Dhabi - OSHAD - Occupational air quality threshold limit
	values (United Arab Emirates, 7/2016).
	STEL: 10 mg/m ³ 15 minutes. Form: measured as respirable fraction of the aerosol and fume
	TWA: 2 mg/m ³ 8 hours. Form: measured as respirable fraction of the aerosol and fume
	ACGIH TLV (United States, 1/2023). Notes: Respirable fraction;
	see Appendix C, paragraph C. ACGIH 2003 Adoption STEL: 10 mg/m ³ 15 minutes. Form: Respirable fraction TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction
<u>.</u>	English (GB) United Arab Emirates 7/18

Code : 000001188846	Date of issue/Date of revision : 12 April 2024
PPG SIGMA SAILADVANCE RX BROWN	·
4-methylpentan-2-one	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 82 mg/m ³ 8 hours. TWA: 20 ppm 8 hours. STEL: 307 mg/m ³ 15 minutes. STEL: 75 ppm 15 minutes. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). STEL: 75 ppm 15 minutes. TWA: 205 mg/m ³ 8 hours. STEL: 307 mg/m ³ 15 minutes. TWA: 50 ppm 8 hours. ACGIH TLV (United States, 1/2023). Notes: Substances for which there is a Biological Exposure Index or Indices STEL: 75 ppm 15 minutes. TWA: 20 ppm 8 hours.
1,2,4-trimethylbenzene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [trimethyl benzene (mixed isomers)] TWA: 123 mg/m ³ 8 hours. TWA: 25 ppm 8 hours. ACGIH TLV (United States, 1/2023). TWA: 10 ppm 8 hours.
diiron trioxide	 Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). TWA: 5 mg/m³ 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: 5 mg/m³ 8 hours. ACGIH TLV (United States, 1/2023). Notes: Refers to Appendix B Substances of Variable Composition. Respirable fraction; see Appendix C, paragraph C. TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
xylene	Abu Dhabi - OSHAD - Occupational air quality threshold limit values (United Arab Emirates, 7/2016). [xylene (o, m & p isomers)] STEL: 651 mg/m ³ 15 minutes. STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. TWA: 100 ppm 8 hours. Cabinet Decree (12) of 2006 Regarding Regulation Concerning Protection of Air from Pollution (United Arab Emirates, 5/2006). [xylene (all isomers)] STEL: 150 ppm 15 minutes. TWA: 434 mg/m ³ 8 hours. STEL: 651 mg/m ³ 15 minutes. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 1/2023). [p-xylene and mixtures containing p-xylene] Ototoxicant. TWA: 20 ppm 8 hours.
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	ACGIH TLV (United States). TWA: 10 mg/m³ Form: Inhalable particle TWA: 3 mg/m³, (inhalable dust) Form: Respirable particle

2020/878	
	Date of issue/Date of revision : 12 April 2024
PPG SIGMA SAILADVANCE R Recommended monitoring procedures	 Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
8.2 Exposure controls	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection measu	res
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 <u>Skin protection</u>	: Chemical splash goggles and face shield.
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Gloves	: butyl 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 anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure 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.

Code : 000001188846

Date of issue/Date of revision : 12 April 2024

PPG SIGMA SAILADVANCE RX BROWN

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	÷	Brown.						
Odour	÷	Aromatic. [Slight]						
Odour threshold	4	Not available.						
Melting point/freezing point	ł	May start to solidify a This is based on data -69.16°C (-92.5°F)		0			· ·	
Initial boiling point and boiling range	:	>37.78°C						
Flammability	:	Not available.						
Upper/lower flammability or explosive limits	:	Greatest known rang light aromatic)	e: Lower:	1.4% L	Jpper: 7.6% (Solvent	naphtha (p	etroleum),
Flash point	:	Closed cup: 28°C						
Auto-ignition temperature	÷	Ingredient name		°C	°F	[Method	
- · ·		zineb (ISO)		149	300.2		motriou	
	1.1	Kinematic (40°C): >2	1 mm²/s					
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water		 > 100 s (ISO 6mm) Result Not soluble 						
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water	:	 > 100 s (ISO 6mm) Result Not soluble Not applicable. 	Vарои	i	sure at 20°C	Va		1
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water		 > 100 s (ISO 6mm) Result Not soluble Not applicable. Ingredient name 	Vapou mm Hg	kPa	sure at 20°C Method	Vaj mm Hg	oour press	sure at 50°C Method
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water		 > 100 s (ISO 6mm) Result Not soluble Not applicable. 	Vарои	kPa	1	mm		1
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water Vapour pressure	:	 > 100 s (ISO 6mm) Result Not soluble Not applicable. Ingredient name 	Vapor mm Hg 15.75128 : 1.7 (4-m	kPa 2.1 nethylper	Method	mm Hg	kPa	Method
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water Vapour pressure	:	 > 100 s (ISO 6mm) Result Not soluble Not applicable. Ingredient name #methylpentan-2-one Highest known values 	Vapor mm Hg 15.75128 : 1.7 (4-m	kPa 2.1 nethylper	Method	mm Hg	kPa	Method
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water /apour pressure	:	 > 100 s (ISO 6mm) Result Not soluble Not applicable. Ingredient name Impredient name Impredient name Impredient name Impredient name Impredient name Impredient name 	Vapor mm Hg 15.75128 : 1.7 (4-m utyl aceta	kPa 2.1 nethylper ate	Method ntan-2-one)	Meighteo	kPa	Method
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density Vapour density	:	 > 100 s (ISO 6mm) Result Not soluble Not applicable. Ingredient name Impredient name 	Vapou mm Hg 15.75128 : 1.7 (4-m utyl aceta : 5.3 (Air not explos	kPa 2.1 nethylper ate = 1) (To sive, but	Method ntan-2-one) V	Weighted a	kPa d average:	Method
Viscosity Solubility(ies) Media cold water Partition coefficient: n-octanol/ water Vapour pressure Evaporation rate Relative density Vapour density Explosive properties		 > 100 s (ISO 6mm) Result Not soluble Not applicable. Ingredient name Impredient nam	Vapou mm Hg 15.75128 : 1.7 (4-m utyl aceta : 5.3 (Air not explos ir is possi	kPa 2.1 nethylper ate = 1) (To sive, but ible.	Method ntan-2-one) Merpineol). We	Weighted a	kPa d average:	Method
		 > 100 s (ISO 6mm) Result Not soluble Not applicable. Ingredient name Imgredient name <l< td=""><td>Vapou mm Hg 15.75128 : 1.7 (4-m utyl aceta : 5.3 (Air not explos ir is possi</td><td>kPa 2.1 nethylper ate = 1) (To sive, but ible.</td><td>Method ntan-2-one) Merpineol). We</td><td>Weighted a</td><td>kPa d average:</td><td>.84 (Air = 1)</td></l<>	Vapou mm Hg 15.75128 : 1.7 (4-m utyl aceta : 5.3 (Air not explos ir is possi	kPa 2.1 nethylper ate = 1) (To sive, but ible.	Method ntan-2-one) Merpineol). We	Weighted a	kPa d average:	.84 (Air = 1)

No additional information.

Code	: 000001188846	Date of issue/Date of revision	: 12 April 2024
PPG SIGMA	SAILADVANCE RX BROWN		

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
dicopper oxide	LC50 Inhalation Dusts and	Rat	3.34 mg/l	4 hours
	mists			
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	500 mg/kg	-
Hydrocarbons, C9, aromatics < 0.1%	LD50 Dermal	Rabbit -	>2000 mg/kg	-
cumene		Male,		
		Female		
	LD50 Oral	Rat	8400 mg/kg	-
rosin	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	7600 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and	Rat	>5700 mg/m ³	4 hours
	mists			
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
4-methylpentan-2-one	LC50 Inhalation Vapour	Rat	11 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	2.08 g/kg	-
zineb (ISO)	LD50 Oral	Rat	>2000 mg/kg	-
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
12-hydroxyoctadecanoic acid, reaction	LC50 Inhalation Dusts and	Rat	3.56 mg/l	4 hours
products with 1,3-benzenedimethanamine	mists			
and hexamethylenediamine				
-	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Terpineol	LD50 Oral	Rat	4300 mg/kg	-
copper oxide	LD50 Oral	Rat	>2000 mg/kg	-
copper	LC50 Inhalation Dusts and	Rat	>5.11 mg/l	4 hours
	mists			

Conclusion/Summary

: There are no data available on the mixture itself.

Irritation/Corrosion

Code : 000001188846

Date of issue/Date of revision : 12 April 2024

PPG SIGMA SAILADVANCE RX BROWN

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
<mark>ky</mark> lene Terpineol	Skin - Moderate irritant Skin - Irritant	Rabbit Rabbit	-	24 hours 500 mg -	-
Conclusion/Summary		•		•	•

: There are no data available on the mixture itself.

: There are no data available on the mixture itself.

```
Respiratory
```

Skin

Eyes

: There are no data available on the mixture itself.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
zineb (ISO)	skin	Guinea pig	Sensitising
Terpineol	skin	Guinea pig	Sensitising

Conclusion/Summary

Skin	: There are no data available on the mixture itself.
Respiratory	: There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Carcinogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Reproductive toxicity	
Conclusion/Summary	: There are no data available on the mixture itself.
Teratogenicity	
Conclusion/Summary	: There are no data available on the mixture itself.
One office to much survey to st	

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Fydrocarbons, C9, aromatics < 0.1% cumene 4-methylpentan-2-one zineb (ISO) xylene	Category 3 Category 3 Category 3 Category 3 Category 3	-	Respiratory tract irritation Narcotic effects Narcotic effects Respiratory tract irritation Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine	Category 2	inhalation	lungs

Aspiration hazard

Product/ingredient name	Result
₩ydrocarbons, C9, aromatics < 0.1% cumene	ASPIRATION HAZARD - Category 1
xylene	ASPIRATION HAZARD - Category 1
Terpineol	ASPIRATION HAZARD - Category 1

Information on likely : Not available.

routes of exposure

Potential acute health effects

- Inhalation
- : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

onforms to Regulation (EC) 020/878	vo. 1907/2006 (REAC	H), Annex II, as amended by Commissior	n Regulation (EU)
Code : 000001188846		Date of issue/Date of revision	: 12 April 2024
PPG SIGMA SAILADVANCE R	X BROWN		
SECTION 11: Toxicol	ogical informat	ion	
Ingestion	: Harmful if swallowe	ed. Can cause central nervous system (CNS	S) depression.
Skin contact	: Defatting to the ski reaction.	n. May cause skin dryness and irritation. M	lay cause an allergic skin
Eye contact	: Causes serious eye	e damage.	
Symptoms related to the phy	vsical, chemical and	toxicological characteristics	
Inhalation	: Adverse symptoms respiratory tract irri coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness		
Ingestion	: Adverse symptoms stomach pains	may include the following:	
Skin contact	: Adverse symptoms pain or irritation redness dryness cracking blistering may occu	may include the following:	
Eye contact	pain watering redness	may include the following:	1170
Short term exposure		enects from short and long-term expos	
Potential immediate effects	: Not available.		
Potential delayed effects Long term exposure	: Not available.		
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Potential chronic health effe	<u>cts</u>		
Not available.			
Conclusion/Summary	: Not available.		
General		ited contact can defat the skin and lead to ir ensitized, a severe allergic reaction may occ v levels.	
Carcinogenicity	: Suspected of causi exposure.	ng cancer. Risk of cancer depends on dura	ation and level of
Mutagenicity	: No known significa	nt effects or critical hazards.	
Reproductive toxicity	: No known significa	nt effects or critical hazards.	
Other information	: Not available.		

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

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

English (GB) United Arab Emirates

Code

: 000001188846

PPG SIGMA SAILADVANCE RX BROWN

Date of issue/Date of revision

: 12 April 2024

SECTION 11: Toxicological information

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
dicopper oxide	LC50 0.003 mg/l	Fish	96 hours
Hydrocarbons, C9, aromatics < 0.1% cumene	LC50 9.2 mg/l	Fish	96 hours
zinc oxide	Acute EC50 0.17 mg/l	Algae	72 hours
	Acute EC50 0.481 mg/l	Daphnia - <i>Daphnia</i>	48 hours
	Fresh water	<i>magna</i> - Neonate	
	Chronic NOEC 0.017 mg/l	Algae	72 hours
	Fresh water		
4-methylpentan-2-one	Acute LC50 >179 mg/l	Fish	96 hours
12-hydroxyoctadecanoic acid, reaction products with	Acute EC50 >100 mg/l	Algae -	72 hours
1,3-benzenedimethanamine and		Pseudokirchneriella	
hexamethylenediamine		subcapitata	
		(microalgae)	
	Acute EC50 >100 mg/l	Daphnia - <i>Daphnia</i>	48 hours
		magna (Water flea)	
	Acute LC50 >100 mg/l	Fish - Oncorhynchus	96 hours
		mykiss (rainbow	
		trout)	
	Chronic NOEC 100 mg/l	Algae -	72 hours
		Pseudokirchneriella	
		subcapitata	
	Chronic NOEC ≥50 mg/l	Daphnia - <i>Daphnia</i>	21 days
		magna (Water flea)	
copper	Acute LC50 810 ppb	Fish	96 hours
	Chronic EC10 8.1 µg/l	Daphnia - <i>Daphnia</i>	21 days
		magna - Neonate	

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

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
ydrocarbons, C9, aromatics < 0.1% cumene	-	78 % - 28 days	-	-
4-methylpentan-2-one	OECD 301F	83 % - Readily - 28 days	-	-
12-hydroxyoctadecanoic acid, reaction products with	OECD 301D Ready	9 % - Not readily - 29 days	-	-
1,3-benzenedimethanamine and hexamethylenediamine	Biodegradability - Closed Bottle Test			

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
₩ydrocarbons, C9, aromatics < 0.1% cumene	-	-	Readily
4-methylpentan-2-one	-	-	Readily
xylene	-	-	Readily

12.3 Bioaccumulative potential

Code	: 000001188846	Date of issue/Date of revision	: 12 April 2024
PPG SIGMA	SAILADVANCE RX BROWN		

SECTION 12: Ecological information

Product/ingredient name	LogPow	BCF	Potential	
ydrocarbons, C9, aromatics < 0.1% cumene rosin 4-methylpentan-2-one zineb (ISO) xylene 12-hydroxyoctadecanoic acid, reaction products with 1,3-benzenedimethanamine and hexamethylenediamine Terpineol	3.7 to 4.5 1.9 to 7.7 1.9 1.3 3.12 >6 2.6	10 to 2500 - - 7.4 to 18.5 -	High High Low Low Low High	

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

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

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

13.1 Waste treatment methods

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

European waste catalogue (EWC)

Waste code	Waste designation	
08 01 11* waste paint and varnish containing organic sol		arnish containing organic solvents or other hazardous substances
Packaging		
Methods of disposal		n of waste should be avoided or minimised wherever possible. Waste buld be recycled. Incineration or landfill should only be considered when it feasible.
Type of packaging	European waste catalogue (EWC)	
Container	15 01 06	mixed packaging

Conforms 2020/878		CH), Annex II, as amended by Commissio	n Regulation (EU)	
Code	: 000001188846	Date of issue/Date of revision	: 12 April 2024	
PPG SIG	MA SAILADVANCE RX BROWN			

SECTION 13: Disposal considerations

 Special precautions This material and its container must be disposed of in a safe way. Care s taken when handling emptied containers that have not been cleaned or riempty containers or liners may retain some product residues. Vapour from residues may create a highly flammable or explosive atmosphere inside t Do not cut, weld or grind used containers unless they have been cleaned internally. Avoid dispersal of spilt material and runoff and contact with so drains and sewers.
--

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	Ш	Ш	Ш
14.5 Environmental hazards	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	(dicopper oxide)	Not applicable.

Additional information

ADR/RID	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Tunnel code	: (D/E)
IMDG	: The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg.
ΙΑΤΑ	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk	: Not applicable.
according to IMO	
instruments	

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

2020/878	, NO. 130//2000 (IXEAOII), /	Annex II, as amended by Commissio	II Regulation (EO)
Code : 00000118884	6	Date of issue/Date of revision	: 12 April 2024
PPG SIGMA SAILADVANCE	RX BROWN		
SECTION 15: Regula	atory information		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Other national and international	tional regulations.		
Explosive precursors Ozone depleting substance Not listed.	: Not applicable. :es (1005/2009/EU)		
15.2 Chemical safety assessment	: No Chemical Safety As	sessment has been carried out.	
SECTION 16: Other	information		
Indicates information that	has changed from previousl	y issued version.	
Abbreviations and acronyms	1272/2008] DNEL = Derived No Ef	abelling and Packaging Regulation [Re fect Level -specific Hazard statement Effect Concentration	gulation (EC) No.
Full text of abbreviated H statements	H226Flammable liH302Harmful if swH304May be fatalH312Harmful in coH315Causes skinH317May cause aH318Causes serioH319Causes serioH322Harmful if inhH335May cause deH336May cause deH373May cause deH400Very toxic toH410Very toxic toH411Toxic to aquaH412Harmful to acH413May cause de	if swallowed and enters airways. ontact with skin. irritation. n allergic skin reaction. ous eye damage. ous eye irritation. naled. espiratory irritation. rowsiness or dizziness. f causing cancer. amage to organs through prolonged or).
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 Carc. 2 Eye Dam. 1 Eye Irrit. 2 Flam. Liq. 2 Flam. Liq. 3 Skin Irrit. 2	ACUTE TOXICITY - Category 4 SHORT-TERM (ACUTE) AQUATI LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT LONG-TERM (CHRONIC) AQUAT ASPIRATION HAZARD - Category CARCINOGENICITY - Category 2 SERIOUS EYE DAMAGE/EYE IRF SERIOUS EYE DAMAGE/EYE IRF FLAMMABLE LIQUIDS - Category FLAMMABLE LIQUIDS - Category SKIN CORROSION/IRRITATION	TIC HAZARD - Category 1 TIC HAZARD - Category 2 TIC HAZARD - Category 3 TIC HAZARD - Category 4 / 1 RITATION - Category 1 RITATION - Category 2 2 3

2020/878			
Code : 0000011888	346	Date of issue/Date of revision: 12 April 2024	
PPG SIGMA SAILADVANCE RX BROWN			
SECTION 16: Other	r information		
	Skin Sens. 1 STOT RE 2	SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	
	STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
<u>History</u>			
Date of issue/ Date of revision	: 12 April 2024		
Date of previous issue	: 30 August 2023		
Prepared by	: EHS		
Version	: 1.02		

<u>Disclaimer</u>

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