SAFETY DATA SHEET

pPG

: 4.03

Europe

Date of issue/Date of revision : 9 May 2024 Version

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

undertaking **1.1 Product identifier Product name** : SIGMADUR 550 BASE RED 6188 **Product code** : 00444970 Other means of identification Not available. 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/ : Coating. mixture **Uses advised against** : Product is not intended, labelled or packaged for consumer use.

1.3 Details of the supplier of the safety data sheet

PPG Coatings Belgium BV/SRL Tweemontstraat 104 B-2100 Deurne Belgium Telephone +32-33606311 Fax +32-33606435

e-mail address of person : Product.Stewardship.EMEA@ppg.com responsible for this SDS

1.4 Emergency telephone number

Supplier

+31 20 4075210

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 Sens. 1, H317 Carc. 1B, H350 STOT SE 3, H335 STOT SE 3, H336 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

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SECTION 2: Hazards identification

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms	
Signal word	: Danger
Hazard statements	 Flammable liquid and vapour. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. May cause cancer. Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	: Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response	: IF exposed or concerned: Get medical advice or attention.
Storage	: Store in a well-ventilated place. Keep container tightly closed.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
	P202, P280, P210, P308 + P313, P403 + P233, P501
Hazardous ingredients	 Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 1,2-propanediol mono(2-methyl-2-propenoate) and 2-propenoic acid Hydrocarbons, C9, aromatics > 0.1% cumene n-butyl acetate xylene 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
Supplemental label elements	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Restricted to professional users.
Special packaging requirem	<u>nts</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 vPvE

English (GB)

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SECTION 2: Hazards identification

Other hazards which do not result in classification

: Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

Weight Lind ATEs CPropenoic acid, 2-methyl- methyl ester, polymer with utyl 2-propenoid imono 2-methyl-2-propenoid imono 2-methyl-2-pr	3.2 Mixtures	: Mixture				
methyl ester, polymer with utyl 2-propenoate, thenylbenzene, 2-propenoate, stromatics > 0.1% curmene REACH #: 01-2119455851-35 EC: 918-668-5 CAS: 64742-95-6 $\geq 10 - <20$ Fiam. Liq. 3, H226 Carc. 1B, H350 Carc. 1B, H350: C \geq 10% [1] stromatics > 0.1% curmene 01-2119455851-35 EC: 918-668-5 CAS: 64742-95-6 $\geq 10 - <20$ Fiam. Liq. 3, H226 Carc. 1B, H350 Carc. 1B, H350: C \geq 10% [1] stromatics > 0.1% curmene REACH #: 01-2119489370-35 EC: 202.649-4 CAS: 100-41-4 Index: 601-023-00-4 $\geq 50 - <10$ Fiam. Liq. 2, H225 Acute Tox. 4, H332 STOT SE 3, H336 EC: 202.649-4 CAS: 100-41-4 Index: 601-023-00-4 $\geq 50 - <10$ Fiam. Liq. 3, H226 STOT SE 3, H336 EUH066 ATE [Inhalation (vapours]] = 17.8 mg/l [1] [2] u-butyl acetate REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1 $\geq 50 - <10$ Fiam. Liq. 3, H226 STOT SE 3, H336 EUH066 $-$ [1] [2] ylene REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 $\geq 1.0 - \le 5.0$ Fiam. Liq. 3, H226 Shin Imrt. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 ATE [Dermal] = 1700 mg/kg Atter [Inhalation (vapours)] = 11 mg/l [1] [2] Detadecanamide, N, Y-1, 6-hexanediylbis 12-hydroxy. CAS: 55349-01-4 <1.0	Product/ingredient name	Identifiers		Classification	Limits, M-factors	Туре
Informatics > 0.1% cumene 01-2119455851-35 EC 918-668-5 CAS: 64742-95-6 Carc. 18, H350 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066 10% EUH066: C ≥ 20% sthylbenzene REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4 $\geq 5.0 - <10$ Fiam. 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] +-butyl acetate REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1 $\geq 5.0 - <10$ Fiam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H315 Eye Irrit. 2, H315 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 - [1] [2] velene REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 $\geq 1.0 - \le 5.0$ Fiam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H315 Eye Irrit. 2, H315 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] Detadecanamide, N, V-1,6-hexanediylbis 12,-hydroxy- Seaction mass of bis 1,2,2,6,6-pentamethyl- -piperidyl sebacate and nethyl CAS: 55349-01-4 C: 915-687-0 CAS: 1065336-91-5 ≤ 0.36 Skin Sens. 1A, H317 Repr. 2, H3611 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 M [Acute] = 1 M [Chronic] = 1 [1]	Propenoic acid, 2-methyl- , methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 1,2-propanediol mono (2-methyl-2-propenoate) and 2-propenoic acid	CAS: 37237-99-3	≥25 - ≤50	Skin Sens. 1, H317	-	[1]
101-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412(vapours)] = 17.8 mg/l111+-butyl acetateREACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1 $\geq 5.0 - \leq 10$ Flam. Liq. 3, H226 STOT SE 3, H336-[1] [2]yleneREACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 $\geq 1.0 - \leq 5.0$ Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Stor SE 3, H335 Asp. Tor SE 3, H335	Hydrocarbons, C9, aromatics > 0.1% cumene	01-2119455851-35 EC: 918-668-5	≥10 - <20	Carc. 1B, H350 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411	10%	[1]
ylene01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1 $STOT SE 3, H336$ EUH066ATE [Dermal] = 1700 mg/kg[1] [2]yleneREACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 $\geq 1.0 - \leq 5.0$ Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H322 Skin Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412ATE [Dermal] = 1700 mg/kg[1] [2]Octadecanamide, N, V-1,6-hexanediylbis 12-hydroxy-CAS: 55349-01-4 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5<1.0	ethylbenzene	01-2119489370-35 EC: 202-849-4 CAS: 100-41-4	≥5.0 - <10	Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304		[1] [2]
$\begin{array}{c} 01-2119488216-32\\ EC: 215-535-7\\ CAS: 1330-20-7\\ \end{array}$ $\begin{array}{c} Acute Tox. 4, H312\\ A$	n-butyl acetate	01-2119485493-29 EC: 204-658-1 CAS: 123-86-4	≥5.0 - ≤10	STOT SE 3, H336	-	[1] [2]
A'-1,6-hexanediylbis 12-hydroxy- Reaction mass of bis 1,2,2,6,6-pentamethyl- I-piperidyl) sebacate and nethyl REACH #: 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5 Skin Sens. 1A, H317 Repr. 2, H361f Aquatic Chronic 1, H400 Aquatic Chronic 1, H410	xylene	01-2119488216-32 EC: 215-535-7	≥1.0 - ≤5.0	Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304	mg/kg ATE [Inhalation	[1] [2]
1,2,2,6,6-pentamethyl- 01-2119491304-40 Repr. 2, H361f M [Chronic] = 1 I-piperidyl) sebacate and EC: 915-687-0 Aquatic Acute 1, H400 nethyl CAS: 1065336-91-5 Aquatic Chronic 1, H410	Octadecanamide, N, N'-1,6-hexanediylbis [12-hydroxy-	CAS: 55349-01-4	<1.0		-	[1]
English (GB) Europe 3/18	Reaction mass of bis (1,2,2,6,6-pentamethyl- 4-piperidyl) sebacate and methyl	01-2119491304-40 EC: 915-687-0	≤0.36	Repr. 2, H361f Aquatic Acute 1, H400		[1]
	English (GB)			Europe		3/18

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SECTION 3: Composition/information on ingredients

1,2,2,6,6-pentamethyl- 4-piperidyl sebacate		
	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.

Туре

[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.

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.
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 e	ffects
Eye contact	: No known significant effects or critical hazards.
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	: Can cause central nervous system (CNS) depression.
<u>Over-exposure signs/sy</u>	<u>mptoms</u>
Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness

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SECTION 4: First aid	
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
4.3 Indication of any immedia	ate medical attention and special treatment needed
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
SECTION 5: Firefight	ting 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 harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides 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 Europear standard EN 469 will provide a basic level of protection for chemical incidents.
SECTION & Assidan	tal release measures

For non-emergency	: No action shall be taken involving any personal risk or without suitable training.
personnel	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.

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SECTION 6: Acciden	tal release measures
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	 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

measures.

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. 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 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

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU))
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SECTION 7: Handling and storage

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
	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
ethylbenzene	EU OEL (Europe, 1/2022). Absorbed through skin. STEL: 884 mg/m ³ 15 minutes.
	STEL: 200 ppm 15 minutes.
	TWA: 442 mg/m ³ 8 hours.
	TWA: 100 ppm 8 hours.
n-butyl acetate	EU OEL (Europe, 1/2022).
	STEL: 150 ppm 15 minutes.
	STEL: 723 mg/m ³ 15 minutes.
	TWA: 241 mg/m ³ 8 hours.
under a	TWA: 50 ppm 8 hours.
xylene	EU OEL (Europe, 1/2022). [xylene, mixed isomers] Absorbed
	through skin. STEL: 442 mg/m ³ 15 minutes.
	STEL: 442 mg/m 15 minutes.
	TWA: 221 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
	uld be made to monitoring standards, such as the following: European
by inhalation to strategy) Euro application and biological agen	89 (Workplace atmospheres - Guidance for the assessment of exposure chemical agents for comparison with limit values and measurement pean 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

of hazardous substances will also be required.

DNELs

agents) Reference to national guidance documents for methods for the determination

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SECTION 8: Exposure controls/personal protection

> 0.1% cumene DNEL DNEL DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DMEL Long term Inhalation DMEL DNEL Long term Oral 25 mg/kg bw/day 32 mg/m ³ Workers General population General population Syster General population Syster General population Syster General population Syster General population Syster General population Syster General population Syster Syster Syster Syster Syster DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Inhalation DNEL Long term Oral 11 mg/kg bw/day 11 mg/kg bw/day Workers General population Syster General population Syster Syster Syster Syster Syster Syster Syster DNEL Long term Inhalation DNEL Long term Oral n-butyl acetate DNEL Long term Oral DNEL Long term Oral DNEL Long term Oral DNEL Long term Oral DNEL Long term Dermal DNEL Long term Dermal DNEL Long term Dermal DNEL Long term Dermal DNEL Long term Dermal DNEL Long term Dermal DNEL Long term Inhalation DNEL Long term Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Short term Inhalation DNEL Long term Inhalation DNEL Short term Inha	Product/ingredient name	Туре	Exposure	Value	Population	Effects
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PNECs

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
ethylbenzene	-	Fresh water	0.1 mg/l	Assessment Factors
-	-	Marine water	0.01 mg/l	Assessment Factors
	-	Sewage Treatment Plant	9.6 mg/l	Assessment Factors
	-	Fresh water sediment	13.7 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	1.37 mg/kg dwt	Equilibrium Partitioning
	-	Soil	2.68 mg/kg dwt	Equilibrium Partitioning
	-	Secondary Poisoning	20 mg/kg	-
n-butyl acetate	-	Fresh water	0.18 mg/l	-
	-	Marine water	0.018 mg/l	-
	-	Fresh water sediment	0.981 mg/kg	-
	-	Marine water sediment	0.0981 mg/kg	-
	-	Sewage Treatment Plant		-
	-	Soil	0.0903 mg/kg	-
English (GB) Europe				8/18

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SIGMADUR 550 BASE RED 6					
SECTION 8: Exposur	e con	trols/p	ersonal protectior	ו	
xylene		- - - -	Fresh water Marine water Sewage Treatment Plant Fresh water sediment Marine water sediment Soil	0.327 mg/l 0.327 mg/l 6.58 mg/l 12.46 mg/kg dwt 12.46 mg/kg dwt 2.31 mg/kg	- - - -
8.2 Exposure controls					
Appropriate engineering controls	or c any vap	ther engir recomme	ended or statutory limits. T at concentrations below any	orker exposure to air he engineering cont	borne contaminants below rols also need to keep gas,
Individual protection meas	<u>ures</u>				
Hygiene measures	eati App Cor con	ng, smoki propriate te taminated taminated	forearms and face thoroug ng and using the lavatory a echniques should be used d work clothing should not l clothing before reusing. E close to the workstation loc	nd at the end of the to remove potentially be allowed out of the Ensure that eyewash	working period. y contaminated clothing. workplace. Wash
Eye/face protection	: Che	emical spla	ash goggles. Use eye prot	ection according to I	EN 166.
Skin protection					
Hand protection	wor is n dur glov pro frec (bre Wh (bre pro as i	n at all tim ecessary. ng use the ed that the rection tim uently rep akthrough en only br akthrough user mus duct is the ncluded in	thes when handling chemical Considering the parameter at the gloves are still retain the time to breakthrough for a cturers. In the case of mix e of the gloves cannot be a beated contact may occur, a time greater than 480 mir ief contact is expected, a g in time greater than 30 minutes the check that the final choice	al products if a risk a ers specified by the g ing their protective p any glove material m tures, consisting of accurately estimated a glove with a protection love with a protection tes according to E love with a protection tes according to E e of type of glove se es into account the p	glove manufacturer, check properties. It should be ay be different for different several substances, the I. When prolonged or ction class of 6 N 374) is recommended. In class of 2 or higher I 374) is recommended.
Gloves	: but	/l rubber			
Body protection	beir han stat sho	ng perform dling this ic protecti uld includ	ective equipment for the bo ned and the risks involved a product. When there is a r ve clothing. For the greate e anti-static overalls, boots er information on material	and should be appro isk of ignition from s st protection from st and gloves. Refer t	ved by a specialist before tatic electricity, wear anti- tatic discharges, clothing to European Standard EN
Other skin protection	bas	ed on the	botwear and any additional task being performed and efore handling this product	the risks involved ar	
Respiratory protection	haz wor app con We	ards of the kers are e ropriate, o plying wit	h an approved standard if a ator conforming to EN140.	king limits of the sel above the exposure properly fitted, air-p a risk assessment ir	ected respirator. If limit, they must use urifying or air-fed respirator ndicates this is necessary.

English (GB)	Europe	9/18

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

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SECTION 8: Exposure controls/personal 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.

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

<u>Appearance</u>					
Physical state	:	Liquid.			
Colour	:	Red.			
Odour	:	Not available.			
Odour threshold	:	Not available.			
Melting point/freezing point		May start to solidify at the follow on data for the following ingredi -77.47°C (-107.4°F)			
Initial boiling point and boiling range	:	>37.78°C			
Flammability	:	Not available.			
Upper/lower flammability or explosive limits		Greatest known range: Lower: ´ light aromatic)	I.4% Upp	er: 7.6% (So	vent naphtha (petroleum),
Flash point	:	Closed cup: 31°C			
Auto-ignition temperature	:				
Auto-ignition temperature	:	Ingredient name	°C	°F	Method
Auto-ignition temperature	:	Ingredient name 4-[[4-(aminocarbonyl)phenyl]azo]-N- (2-ethoxyphenyl) -3-hydroxynaphthalene-2-carboxamide	>140	°F ≥284	Method
Auto-ignition temperature Decomposition temperature	:	4-[[4-(aminocarbonyl)phenyl]azo]-N- (2-ethoxyphenyl)	>140	>284	
		4-[[4-(aminocarbonyl)phenyl]azo]-N- (2-ethoxyphenyl) -3-hydroxynaphthalene-2-carboxamide	>140 rage and	>284	
Decomposition temperature	:	4-[[4-(aminocarbonyl)phenyl]azo]-N- (2-ethoxyphenyl) -3-hydroxynaphthalene-2-carboxamide Stable under recommended sto	>140 rage and	>284	
Decomposition temperature pH	:	4-[[4-(aminocarbonyl)phenyl]azo]-N- (2-ethoxyphenyl) -3-hydroxynaphthalene-2-carboxamide Stable under recommended sto Not applicable. insoluble in wate	>140 rage and	>284	
Decomposition temperature pH Viscosity	:	4-[[4-(aminocarbonyl)phenyl]azo]-N- (2-ethoxyphenyl) -3-hydroxynaphthalene-2-carboxamide Stable under recommended sto Not applicable. insoluble in wate	>140 rage and	>284	

Partition coefficient: n-octanol/ : Not applicable. water

2

Vapour pressure

		Vapour Pressure at 20°C Vapour					sure at 50°C
	Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
	n-butyl acetate	11.25096	1.5	DIN EN 13016-2			
Evaporation rate	: Highest known value butyl acetate	e: 1 (n-but	yl acetate	e) Weighted	average:	0.88com	pared with
Relative density	: 1.34						
Vapour density	: Highest known value 3.88 (Air = 1)	e: 4.1 (Aii	= 1) (1,	2,4-trimethylb	enzene).	Weight	ed average:
Explosive properties	:						
English (GB)			Europe				10/18

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SECTION 9: Physical	and chemical properties
The product itself is not explosive, but the formation of an explosible m 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.	

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 1,2-propanediol mono (2-methyl-2-propenoate) and 2-propenoic acid	LD50 Oral	Rat	>5000 mg/kg	-
Hydrocarbons, C9, aromatics > 0.1% cumene	LD50 Dermal	Rabbit	>3160 mg/kg	-
	LD50 Oral	Rat - Female	3492 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour LD50 Dermal LD50 Oral	Rat Rabbit Rat	17.8 mg/l 17.8 g/kg 3.5 g/kg	4 hours - -
n-butyl acetate	LC50 Inhalation Vapour LC50 Inhalation Vapour LD50 Dermal LD50 Oral	Rat Rat Rabbit Rat	>21.1 mg/l 2000 ppm >17600 mg/kg 10.768 g/kg	4 hours 4 hours - -
xylene	LD50 Dermal LD50 Oral	Rabbit Rat	1.7 g/kg 4.3 g/kg	-
Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	LD50 Dermal	Rat	>3170 mg/kg	-
English (GB)	Europe	e		11/18

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		LD50 Oral	Rat - Male, Female	3230 mg/kg	-
Conclusion/Summary	: There are i	no data available on the mixture	itself.		

Acute toxicity estimates

Route	ATE value
Dermal	48475.38 mg/kg
Inhalation (vapours)	153.11 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

Conclusion/Summary

- Skin

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

Respiratory **Sensitisation**

Product/ingredient name	Route of exposure	Species	Result
2-Propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 1,2-propanediol mono(2-methyl-2-propenoate) and 2-propenoic acid	skin	Mouse	Sensitising

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

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Hydrocarbons, C9, aromatics > 0.1% cumene	Category 3 Category 3	-	Respiratory tract irritation Narcotic effects
n-butyl acetate xylene	Category 3 Category 3	-	Narcotic effects Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

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

English (GB)	Europe	12/18
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Aspiration hazard

Broductin	aradiant name	Popult	
	ngredient name		
Hydrocarbons, C9, aromatics > ethylbenzene xylene	> 0.1% cumene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1	
Information on likely routes of exposure	: Not available.		
Potential acute health effects	<u>s</u>		
Inhalation	: Can cause central nervous system dizziness. May cause respiratory	n (CNS) depression. May cause drowsiness or irritation.	
Ingestion	: Can cause central nervous system	n (CNS) depression.	
Skin contact	: Defatting to the skin. May cause s reaction.	kin dryness and irritation. May cause an allergic	skin
Eye contact	: No known significant effects or cri		
	vsical, chemical and toxicological o	haracteristics	
Inhalation	: Adverse symptoms may include the respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	e following:	
Ingestion	: No specific data.		
Skin contact	: Adverse symptoms may include the irritation redness dryness cracking	e following:	
Eye contact	: No specific data.		
Delayed and immediate effect	cts as well as chronic effects from	<u>short and long-term exposure</u>	
Short term exposure			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Long term exposure			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Potential chronic health effe	<u>cts</u>		
Not available.			
Conclusion/Summary	: Not available.		
General		n defat the skin and lead to irritation, cracking and rere allergic reaction may occur when subsequen	
Carcinogenicity	: May cause cancer. Risk of cance	r depends on duration and level of exposure.	
Mutagenicity	: No known significant effects or cri	tical hazards.	
Reproductive toxicity	: No known significant effects or cri	tical hazards.	
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Other information : Not available.

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

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Hydrocarbons, C9, aromatics > 0.1% cumene	EC50 3.2 mg/l	Daphnia	48 hours
•	LC50 9.2 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	
n-butyl acetate	Acute LC50 18 mg/l	Fish	96 hours
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

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

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
,	- - TEPA and OECD 301D	75 % - Readily - 28 days 79 % - Readily - 10 days 83 % - Readily - 28 days	- - -	-

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Hydrocarbons, C9, aromatics > 0.1% cumene ethylbenzene n-butyl acetate xylene	- - -	- - -	Readily Readily Readily Readily

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

English (GB)	Europe	14/18

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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

ProductMethods 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 (EWC)

Waste code	Waste designation		
08 01 11* waste paint and varnish containing organic solvents or other hazardous sub			
ackaging			
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.		
Type of packaging	European waste catalogue (EWC)		
Container	15 01 06 mixed packaging		
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly		

drains and sewers.

internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways,

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14. Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	Ξ	III	II	III
14.5 Environmental hazards	No.	Yes.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.

Additional information

ADR/RID	: None identified.
Tunnel code	: (D/E)
ADN	: The product is only regulated as an environmentally hazardous substance when transported in tank vessels.
IMDG	: None identified.
IATA	: None identified.
14.6 Special precuser	 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 Maritime transport in : Not applicable. **bulk 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.

Annex XVII - Restrictions : Restricted to professional users. on the manufacture,

placing on the market and use of certain

dangerous substances, mixtures and articles

Explosive precursors : Not applicable.

Ozone depleting substances (1005/2009/EU)

English (GB)

Europe

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SECTION 15: Regulatory information

Not listed.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Category

P5c

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.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

PBT = Persistent, Bioaccumulative and Toxic

vPvB = Very Persistent and Very Bioaccumulative

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

IMDG = International Maritime Dangerous Goods

IATA = International Air Transport Association

Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications [CLP/GHS]

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

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SECTION 16: Other information	
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Aquatic Chronic 4	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Carc. 1B	CARCINOGENICITY - Category 1B
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE Category 2
STOT SE 3	SPEČIFÍC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

HISTOLA	
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Date of previous issue	: 6 February 2024
Prepared by	: EHS
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<u>Disclaimer</u>

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