# **SAFETY DATA SHEET**

Date of issue/Date of revision

: 23 July 2017

Version : 8.04



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

1.1 Product identifier	
Product name	: SIGMADUR 540 HARDENER
Product code	: 00202721
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/ mixture	: Coating.
1.3 Details of the supplier o	f the safety data sheet
PPG Coatings SPRL/BVBA Tweemontstraat 104 B-2100 Deurne Belgium Telephone +32-33606311 Fax +32-33606435	
e-mail address of person responsible for this SDS	: PMC.Safety@PPG.com
1.4 Emergency telephone n	umber
<u>Supplier</u>	
<b>Telephone number</b> +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

 STOT SE 3, H336

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

SIGMADUR 540 HARDENER	Date of issue/Date of revision : 23 July 2017		
SECTION 2: Hazards identification			
Hazard pictograms			
Signal word	: Warning		
Hazard statements	: Flammable liquid and vapour. May cause drowsiness or dizziness.		
Precautionary statements			
Prevention	: Wear protective gloves. Wear protective clothing. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapour.		
Response	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water		
Storage	: Store in a well-ventilated place. Keep cool.		
Disposal	<ul> <li>Not applicable.</li> <li>₱280, P210, P261, P304 + P340, P303 + P361 + P353, P403, P235</li> </ul>		
Hazardous ingredients	: n-butyl acetate		
Supplemental label elements	<ul> <li>Contains 2-ethylhexyl acrylate. May produce an allergic reaction. Repeated exposure may cause skin dryness or cracking.</li> </ul>		
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Special packaging requirement	<u>ents</u>		
Containers to be fitted with child-resistant fastenings	: Not applicable.		
Tactile warning of danger	: Not applicable.		

**Other hazards which do** : Prolonged or repeated contact may dry skin and cause irritation. **not result in classification** 

# SECTION 3: Composition/information on ingredients

			<b>Classification</b>	
Product/ingredient name	Identifiers	% by weight	Regulation (EC) No. 1272/2008 [CLP]	Туре
n-butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 Index: 607-025-00-1	≥25 - ≤50	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	
2-ethylhexyl acrylate	REACH #: 01-2119453158-37 EC: 203-080-7 CAS: 103-11-7 Index: 607-107-00-7	≤0.30	Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	[1]
English (GB)	United Kingd	om (UK)	I	2/1

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SECTION 3: Compositi	n/information on ingredients
	See Section 16 for the full text of the H statements declared above.

workplace exposure limit and hence require reporting in this section.

<u>Type</u>

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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

an Booonption of mot ala mo		
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.

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

Potential acute health	<u>n effects</u>
Eye contact	: No known significant effects or critical hazards.
Inhalation	<ul> <li>Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.</li> </ul>
Skin contact	: Defatting to the skin. May cause skin dryness and irritation.
Ingestion	: Can cause central nervous system (CNS) depression.
Over-exposure signs	/symptoms
Eye contact	: No specific data.
Inhalation	: Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo

unconsciousness

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SECTION 4: First aid	measures
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.
4.3 Indication of any immedia	te 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.
<b>SECTION 5: Firefight</b>	ing measures
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 fr	om the substance or mixture
Hazards from the substance or mixture	: Mammable 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.
Hazardous combustion products	: Decomposition products may include the following materials: carbon 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.
<b>SECTION 6: Acciden</b>	tal release measures

English (GB)	United Kingdom (UK) 4/	14
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 environmenta pollution (sewers, waterways, soil or air).	I
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".	
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.	
6.1 Personal precautions, pro	tective equipment and emergency procedures	

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**SECTION 6: Accidental release measures** 

#### 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

Protective measures	: Put on appropriate personal protective equipment (see Section 8). 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. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. 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 non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. 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	: Storage temperature: 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 oxidizing 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.

#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

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### **SECTION 7: Handling and storage**

#### 7.3 Specific end use(s)

Recommendations: Not available.Industrial sector specific: Not available.solutions: Not available.

### **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
n-butyl acetate		EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 966 mg/m <sup>3</sup> 15 minutes. STEL: 200 ppm 15 minutes. TWA: 724 mg/m <sup>3</sup> 8 hours. TWA: 150 ppm 8 hours.
Recommended monitoring procedures	atmosphere or of the ventilation protective equip the following: E	ontains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness in or other control measures and/or the necessity to use respiratory oment. Reference should be made to monitoring standards, such as European Standard EN 689 (Workplace atmospheres - Guidance for t of exposure by inhalation to chemical agents for comparison with

the following. European Standard EN 009 (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.
•

#### **DNELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
n-butyl acetate	DNEL	Long term Inhalation	480 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	960 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	480 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	960 mg/m³	Workers	Local
	DNEL	Long term Inhalation	102.34 mg/ m³	Consumers	Systemic
	DNEL	Short term Inhalation	859.7 mg/ m³	Consumers	Systemic
	DNEL	Long term Inhalation	102.34 mg/ m³	Consumers	Local
	DNEL	Short term Inhalation	859.7 mg/ m³	Consumers	Local

#### **PNECs**

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 Code : 00202721 Date of issue/Date of revision : 23 July 2017 **SIGMADUR 540 HARDENER SECTION 8: Exposure controls/personal protection Product/ingredient name** Туре **Compartment Detail** Value **Method Detail** 0.18 mg/l n-butyl acetate Fresh water 0.018 mg/l Marine water Fresh water sediment 0.981 mg/kg Marine water sediment 0.0981 ma/ka 35.6 mg/l Sewage Treatment Plant Soil 0.0903 mg/kg 8.2 Exposure controls Appropriate engineering : Use only with adequate ventilation. Use process enclosures, local exhaust controls 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 measures **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. Wash contaminated clothing before reusing. Ensure that evewash stations and safety showers are close to the workstation location. **Eye/face protection** : Safety glasses with side shields. **Skin protection 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. Gloves : For prolonged or repeated handling, use the following type of gloves: May be used: polyvinyl alcohol (PVA), Viton® Not recommended: butyl rubber : Personal protective equipment for the body should be selected based on the task **Body protection** 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.

onforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830		
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<b>SECTION 8: Exposur</b>	e controls/personal protection	
Respiratory protection	: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Filter type: organic vapour (Type A) and particulate filter P3	
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**

9.1 Information on basic physical	and chemical properties
<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Various
Odour	: Amine-like.
Odour threshold	: Not available.
рН	: insoluble in water.
Melting point/freezing point	: May start to solidify at the following temperature: <-90°C (<-130°F) This is based on data for the following ingredient: n-butyl acetate.
Initial boiling point and boiling range	: >37.78°C
Flash point	: Closed cup: 24°C
Evaporation rate	: 1 (n-butyl acetate) compared with butyl acetate
Material supports combustion.	: Yes.
Flammability (solid, gas)	: liquid
Upper/lower flammability or explosive limits	: Greatest known range: Lower: 1.4% Upper: 7.6% (n-butyl acetate)
Vapour pressure	: Highest known value: 1.5 kPa (11.3 mm Hg) (at 20°C) (n-butyl acetate).
Vapour density	: Highest known value: 4 (Air = 1) (n-butyl acetate).
Relative density	: 1.04
Solubility(ies)	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/ water	: Not applicable.
Auto-ignition temperature	: 405°C
Decomposition temperature	: Stable under recommended storage and handling conditions (see Section 7).
Viscosity	: Kinematic (room temperature): >4 cm <sup>2</sup> /s Kinematic (40°C): >0.21 cm <sup>2</sup> /s
Viscosity	: 60 - 100 s (ISO 6mm)
Explosive properties	: Product does not present an explosion hazard.
Oxidising properties	: Product does not present an oxidizing hazard.

### 9.2 Other information

No additional information.

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### **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	<ul> <li>When exposed to high temperatures may produce hazardous decomposition products.</li> <li>Refer to protective measures listed in sections 7 and 8.</li> </ul>
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

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

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

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
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	-
2-ethylhexyl acrylate	LD50 Dermal	Rabbit	8.5 g/kg	-
	LD50 Oral	Rat	5.7 g/kg	-

**Conclusion/Summary** : Not available.

Acute toxicity estimates

	Route	ATE value
Not available.		
Irritation/Corrosion		-
<b>Conclusion/Summary</b>	: Not available.	
Sensitisation		
<b>Conclusion/Summary</b>	: Not available.	
Mutagenicity		
<b>Conclusion/Summary</b>	: Not available.	
<b>Carcinogenicity</b>		
<b>Conclusion/Summary</b>	: Not available.	
Reproductive toxicity		
<b>Conclusion/Summary</b>	: Not available.	
Teratogenicity		
<b>Conclusion/Summary</b>	: Not available.	
Specific target organ toxi	<u>city (single exposure)</u>	

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# **SECTION 11: Toxicological information**

Product/ingr	ed	ient name	Category	Route of exposure	Target organs
n-butyl acetate 2-ethylhexyl acrylate			Category 3 Category 3	Not applicable. Not applicable.	Narcotic effects Respiratory tract irritation
Specific target organ toxicity	<u>y (r</u>	<u>epeated exposure)</u>			
Not available.					
Aspiration hazard Not available.					
Information on likely routes of exposure	:	Not available.			
Potential acute health effect	<u>s</u>				
Inhalation	:	Can cause central nervous dizziness.	s system (CNS) de	epression. May cau	ise drowsiness or
Ingestion	:	Can cause central nervous	s system (CNS) de	pression.	
Skin contact	:	Defatting to the skin. May	cause skin drynes	s and irritation.	
Eye contact		No known significant effect			
Symptoms related to the phy			•		
Inhalation	:	Adverse symptoms may inc nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness	clude the following	g:	
Ingestion	4	No specific data.			
Skin contact	-	Adverse symptoms may ind irritation dryness cracking	clude the following	<b>g</b> :	
Eye contact		No specific data.			
Delayed and immediate effect	<u>cts</u>	as well as chronic effects	s from short and	long-term exposu	<u>re</u>
Short term exposure					
Potential immediate effects	1	Not available.			
Potential delayed effects	1	Not available.			
Long term exposure Potential immediate effects	:	Not available.			
Potential delayed effects	÷	Not available.			
Potential chronic health effe					
Not available.					
Conclusion/Summary	÷	Not available.			
General	:	Prolonged or repeated con or dermatitis.	itact can defat the	skin and lead to irr	itation, cracking and/
Carcinogenicity	:	No known significant effect	ts or critical hazar	ds.	
Mutagenicity	:	No known significant effect	ts or critical hazar	ds.	
Teratogenicity	:	No known significant effect	ts or critical hazard	ds.	

onforms to Regulation (EC) No. 1907/2006 (	REACH), Annex II, as amended	by Regulation (EU) No. 2015/830
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### **SECTION 11: Toxicological information**

Developmental effects	: No known significant effects or critical hazards.

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: No known significant effects or critical hazards.

#### Other information : Not available.

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 2-ethylhexyl acrylate. May produce an allergic reaction.

### **SECTION 12: Ecological information**

12.1 Toxicity	
<b>Conclusion/Summary</b>	: Not available.

#### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
n-butyl acetate	1.78	-	low
2-ethylhexyl acrylate	3.67	-	low

#### 12.4 Mobility in soil

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

#### 12.5 Results of PBT and vPvB assessment

- **PBT** : Not applicable.
- vPvB : Not applicable.

#### **12.6 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 (EWC)

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	European waste catalogue (EWC)		
Container	15 01 06	mixed packaging	
Special precautions	taken when Empty cont residues ma container. thoroughly	al and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. ainers or liners may retain some product residues. Vapour from product ay create a highly flammable or explosive atmosphere inside the Do not cut, weld or grind used containers unless they have been cleaned internally. Avoid dispersal of spilt material and runoff and contact with vays, drains and sewers.	

## 14. Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	1263	1263	1263	1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	III		III	III
14.5 Environmental hazards	No.	No.	No.	No.
Marine pollutant substances	Not applicable.	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.

	o. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830
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14. Transport infori	mation
ADN : This class : 1.5.1.	3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3
IMDG       : This class :         IATA       : None ident	3 viscous liquid is not subject to regulation in packagings up to 30 L according to 2.3.2.5 ified.
14.6 Special precautions for user	: <b>Transport within user's premises:</b> 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 according to Annex II of Marpol and the IBC Code	: Not applicable.
SECTION 15: Regulate	ory information
EU Regulation (EC) No. 1907/ Annex XIV - List of substance Annex XIV None of the components are Substances of very high co None of the components are	listed.
Other EU regulations Ozone depleting substances Not listed.	<u>s (1005/2009/EU)</u>
Seveso Directive	
This product is controlled unde	er the Seveso Directive.
Danger criteria	
Category	
P5c: Flammable liquids 2 ar	nd 3 not falling under P5a or P5b

## **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

#### Abbreviations and acronyms

Conforms to Regulation (E	C) No. 1907/2006 (R	REACH), Annex II, as amende	d by Regulation	(EU) No. 2015/830
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SIGMADUR	540 HARDENER		

# SECTION 16: Other information

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

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
• *	On basis of test data Calculation method

#### Full text of abbreviated H statements

H226 H315	Flammable liquid and vapour. Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

Full text of classifications [CLP/GHS]

Repeated exposure may cause skin dryness or cracking.
FLAMMABLE LIQUIDS - Category 3
SKIN CORROSION/IRRITATION - Category 2
SKIN SENSITISATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Narcotic effects) - Category 3

<u>History</u>	
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Date of previous issue	: 10 February 2017
Prepared by	: EHS
Version	: 8.04

#### <u>Disclaimer</u>

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