# SAFETY DATA SHEET

English (GB)

dentification	of the	substan	co/mi

Date of issue/Date of revision

: 11 July 2024



### undertaking **1.1 Product identifier Product name** : SIGMACOVER 456 BASE BASE L **Product code** : 00149922 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 France Business Support SAS, 3, ZAE "Les Dix Muids", B.P. 89, 59583 Marly Cedex, France, 33 (0)3 27 19 35 00 : Product.Stewardship.EMEA@ppg.com e-mail address of person responsible for this SDS 1.4 Emergency telephone number **Supplier**

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

2.1 Classification of the substance or mixture **Product definition** : Mixture Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS] Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

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

2.2 Label elements

Germany

Germany

Code : 00149922 SIGMACOVER 456 BASE BA	Date of issue/Date of revision : 11 July 2024 SE L
SECTION 2: Hazards	identification
Hazard pictograms	
Signal word	: Warning
Hazard statements	<ul> <li>Flammable liquid and vapour.</li> <li>Causes skin irritation.</li> <li>May cause an allergic skin reaction.</li> <li>Causes serious eye irritation.</li> <li>Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	: Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment. Avoid breathing vapour.
Response	: Take off contaminated clothing and wash it before reuse.
Storage	: Not applicable.
Disposal	<ul> <li>Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> <li>P280, P210, P273, P261, P362 + P364, P501</li> </ul>
Hazardous ingredients	: epoxy resin (MW ≤ 700) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine
Supplemental label elements	: Contains epoxy constituents. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requiren	<u>nents</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	
Product meets the criteria for PBT or vPvB	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.

Code : 00149922 SIGMACOVER 456 BASE BASE L Date of issue/Date of revision

: 11 July 2024

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

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	% by weight	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7	≥10 - <20	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]
epoxy resin (MW  ≤ 700)	REACH #: 01-2119456619-26 EC: 500-033-5 CAS: 25068-38-6	≥5.0 - ≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	Skin Irrit. 2, H315: C ≥ 5% Eye Irrit. 2, H319: C ≥ 5%	[1]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≥1.0 - ≤5.0	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]
2-methoxy-1-methylethyl acetate	REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 Index: 607-195-00-7	≥1.0 - ≤5.0	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1] [2]
1,3-bis[12-hydroxy- octadecamide-N- methylene]-benzene	REACH #: 01-2119962189-26 CAS: 911674-82-3 Index: 616-198-00-2	<1.0	Skin Sens. 1, H317 Aquatic Chronic 4, H413	-	[1]
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	REACH #: 01-2119979085-27 EC: 309-629-8 CAS: 100545-48-0	≤0.30	Skin Sens. 1B, H317 Aquatic Chronic 3, H412	-	[1]
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

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

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

Germany

Code : 00149922

Date of issue/Date of revision

: 11 July 2024

SIGMACOVER 456 BASE BASE L

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

SUB codes represent substances without registered CAS Numbers.

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
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	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	<ul> <li>If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.</li> </ul>
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

Potential acute health e	effects
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sy	<u>ymptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking
Ingestion	: No specific data.
4.3 Indication of any imn	nediate medical attention and special treatment needed
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.
SECTION 5: Firefi	ghting 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.

English	(GB)
---------	------

Code	: 00149922	Date of issue/Date of revision	: 11 July 2024
SIGMACO	VER 456 BASE BASE I		

### **SECTION 5: Firefighting measures**

5.2 Special hazards arising fr	om the substance or mixture
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides sulfur oxides halogenated compounds metal oxide/oxides
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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

6.1 Personal precautions, pro	otective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
6.3 Methods and material for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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.

English (GB)	Germany	5/19
--------------	---------	------

Code : 00149922 SIGMACOVER 456 BASE BASE L	Date of issue/Date of revision	: 11 July 2024
SECTION 6: Accidental release measures		

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

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

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

### 7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
7.2 Conditions for safe storage, including any incompatibilities	: Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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** 

Code : 00149922

Date of issue/Date of revision

: 11 July 2024

SIGMACOVER 456 BASE BASE L

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

Product/ingredient name	Exposure limit values
xylene	TRGS 900 OEL (Germany, 6/2023). [Xylol] Absorbed through skin. PEAK: 440 mg/m <sup>3</sup> 15 minutes. PEAK: 100 ppm 15 minutes. TWA: 220 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.
ethylbenzene	<b>TRGS 900 OEL (Germany, 6/2023). Absorbed through skin.</b> PEAK: 176 mg/m <sup>3</sup> 15 minutes. PEAK: 40 ppm 15 minutes. TWA: 88 mg/m <sup>3</sup> 8 hours. TWA: 20 ppm 8 hours.
2-methoxy-1-methylethyl acetate	TRGS 900 OEL (Germany, 6/2023). PEAK: 270 mg/m <sup>3</sup> 15 minutes. PEAK: 50 ppm 15 minutes. TWA: 270 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours.

#### **Biological exposure indices**

Product/ingredient name	Exposure indices	
xylene	DFG BEI-values list (Germany, 7/2023) [Xylene (all isomers)] Notes: danger from percutaneous absorption (see p. 211 and p. 228). BEI: 2000 mg/l, methylhippuric acid (toluric acid) (all isomers) [in urine]. Sampling time: end of exposure or end of shift. TRGS 903 - BEI Values (Germany, 6/2023) [Xylene (all isomers)] BEI: 2000 mg/l, methylhippuric acid [in urine]. Sampling time: end of exposure or end of shift.	
ethylbenzene	<ul> <li>DFG BEI-values list (Germany, 7/2023) Notes: danger from percutaneous absorption (see p. 211 and p. 228).</li> <li>BEI: 250 mg/g creatinine, mandelic acid plus phenyl glyoxylic acid [in urine]. Sampling time: end of exposure or end of shift.</li> <li>TRGS 903 - BEI Values (Germany, 6/2023)</li> <li>BEI: 250 mg/g creatinine, mandelic acid plus phenylglyoxylic acid [in urine]. Sampling time: end of exposure or end of shift.</li> </ul>	
procedures Standard EN by inhalation strategy) Eur application ar biological age requirements agents) Refe	: Reference should be made to monitoring standards, such as the following: Europea Standard EN 689 (Workplace atmospheres - Guidance for the assessment of expose 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** 

Code : 00149922 SIGMACOVER 456 BASE BASE L Date of issue/Date of revision

: 11 July 2024

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

Product/ingredient name	Туре	Exposure	Value	Population	Effects
xylene	DNEL	Long term Oral	5 mg/kg bw/day	General population	
	DNEL	Long term Inhalation	65.3 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	65.3 mg/m³	General population	Systemic
	DNEL	Long term Dermal	125 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	212 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	221 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	221 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	260 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	442 mg/m <sup>3</sup>	Workers	Systemic
epoxy resin (MW ≤ 700)	DNEL	Long term Inhalation	12.25 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	12.25 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	8.33 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Dermal	8.33 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	3.571 mg/kg bw/day	General	Systemic
		5	5 5 ,	population	,
				[Consumers]	
	DNEL	Short term Dermal	3.571 mg/kg bw/day	General	Systemic
			e.e	population	- ) - : - : - : - : - : - : - : - : - :
				[Consumers]	
	DNEL	Long term Oral	0.75 mg/kg bw/day	General	Systemic
				population	- <b>,</b>
				[Consumers]	
	DNEL	Short term Oral	0.75 mg/kg bw/day	General	Systemic
	5		on o mgrig biraay	population	eyetenne
				[Consumers]	
ethylbenzene	DMEL	Long term Inhalation	442 mg/m <sup>3</sup>	Workers	Local
	DMEL	Short term Inhalation	884 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Oral	1.6 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	15 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Inhalation	77 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	180 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	293 mg/m <sup>3</sup>	Workers	Local
2-methoxy-1-methylethyl	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	
acetate	DINEL		55 mg/m		Local
acelale	DNEL	Long term Inhalation	33 mg/m³	General population	Systemic
	DNEL	Long term Oral	36 mg/kg bw/day	General population	
	DNEL	Long term Inhalation	275 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	320 mg/kg bw/day	General population	
	DNEL	Short term Inhalation	550 mg/m <sup>3</sup>	Workers	Systemic Local
				Workers	
Ostadaganaia asid	DNEL	Long term Dermal	796 mg/kg bw/day		Systemic
Octadecanoic acid,	DNEL	Long term Inhalation	0.055 mg/m³	General population	Local
12-hydroxy-, reaction					
products with					
ethylenediamine		l ong torm labelation	$0.200 m a/m^3$	\//orkoro	
	DNEL	Long term Inhalation	0.308 mg/m <sup>3</sup>	Workers	Local

**PNECs** 

Code : 00149922

Date of issue/Date of revision

: 11 July 2024

SIGMACOVER 456 BASE BASE L

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

Product/ingredient name	Туре	Compartment Detail	Value	Method Detail
xylene	-	Fresh water	0.327 mg/l	-
	-	Marine water	0.327 mg/l	-
	-	Sewage Treatment Plant	6.58 mg/l	-
	-	Fresh water sediment	12.46 mg/kg dwt	-
	-	Marine water sediment	12.46 mg/kg dwt	-
	-	Soil	2.31 mg/kg	-
epoxy resin (MW ≤ 700)	-	Fresh water	0.006 mg/l	Assessment Factors
	-	Marine water	0.001 mg/l	Assessment Factors
	-	Sewage Treatment Plant	10 mg/l	Assessment Factors
	-	Fresh water sediment	0.996 mg/kg dwt	Equilibrium Partitioning
	-	Marine water sediment	0.1 mg/kg dwt	Equilibrium Partitioning
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	-
2-methoxy-1-methylethyl acetate	-	Fresh water	0.635 mg/l	-
	-	Marine water	0.0635 mg/l	-
	-	Fresh water sediment	3.29 mg/kg	-
	-	Marine water sediment	0.329 mg/kg	-
	-	Soil	0.29 mg/kg	-
	-	Sewage Treatment Plant	100 mg/l	-

English (GB)	Germany	9/19
Skin protection Hand protection	: Chemical-resistant, impervious gloves complying with an approved s worn at all times when handling chemical products if a risk assessme is necessary. Considering the parameters specified by the glove ma during use that the gloves are still retaining their protective properties noted that the time to breakthrough for any glove material may be dif glove manufacturers. In the case of mixtures, consisting of several s protection time of the gloves cannot be accurately estimated. When frequently repeated contact may occur, a glove with a protection class (breakthrough time greater than 480 minutes according to EN 374) is When only brief contact is expected, a glove with a protection class of (breakthrough time greater than 30 minutes according to EN 374) is The user must check that the final choice of type of glove selected for product is the most appropriate and takes into account the particular	ent indicates this nufacturer, check s. It should be ferent for different substances, the prolonged or is of 6 s recommended. of 2 or higher recommended. or handling this
Eye/face protection	: Chemical splash goggles. Use eye protection according to EN 166.	
Hygiene measures	<ul> <li>Wash hands, forearms and face thoroughly after handling chemical peating, smoking and using the lavatory and at the end of the working Appropriate techniques should be used to remove potentially contam Contaminated work clothing should not be allowed out of the workplace contaminated clothing before reusing. Ensure that eyewash stations showers are close to the workstation location.</li> </ul>	period. iinated clothing. ace. Wash
Individual protection measured	ventilation equipment.	
Appropriate engineering controls	: Use only with adequate ventilation. Use process enclosures, local ex or other engineering controls to keep worker exposure to airborne co any recommended or statutory limits. The engineering controls also vapour or dust concentrations below any lower explosive limits. Use	ntaminants below need to keep gas,
8.2 Exposure controls		

Code : 00149922 Date of issue/Date of revision : 11 July 2024 SIGMACOVER 456 BASE BASE L **SECTION 8: Exposure controls/personal protection** 

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	:	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. Wear a respirator conforming to EN140. 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**

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

English (GB)		Germany		10/19
Solubility(ies)	:			
Viscosity	: Kinematic (room tempera Kinematic (40°C): >21 m		²/s	
рН	: Not applicable. insoluble		21	
Decomposition temperature	: Stable under recommend	-	handling cond	ditions (see Section 7).
	2-methoxy-1-methylethyl aceta	e 333	631.4	DIN 51794
	Ingredient name	°C	°F	Method
Auto-ignition temperature	:			
Flash point	: Closed cup: 27°C			
explosive limits		epp		
Upper/lower flammability or	: Greatest known range: Lo	ower: 0.8% Upr	er: 6.7% (xvle	ene)
Flammability	: Not available.			
Initial boiling point and boiling range	: >37.78°C			
Melting point/freezing point	: May start to solidify at the data for the following ingr average: -91.96°C (-133.	edient: 2-metho		· · · · ·
Odour threshold	: Not available.	following tomp	ratural 66°C	( 96 9°E) This is based on
Odour	: Characteristic.			
Colour	: Various			
Physical state	: Liquid.			

Code : 00149922 SIGMACOVER 456 BASE BASE L	Date of issue/Date of revision	: 11 July 2024				
SECTION 9: Physical and chemical properties						

# Media Result cold water Not soluble

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

.

### Vapour pressure

vapour pressure									
			Vapour Pressure at 20°C				Vapour pressure at 50		
		Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method	
		ethylbenzene	9.30076	1.2					
Evaporation rate	:	Highest known value butyl acetate	e: 0.84 (et	hylbenz	ene) Weighte	d averag	e: 0.78co	mpared with	
Relative density	:	1.4							
Vapour density	:	Highest known value average: 3.79 (Air =	•	= 1) (2	2-methoxy-1-m	ethylethy	/l acetate)	). Weighted	
Explosive properties	:	The product itself is vapour or dust with a			t the formation	of an ex	plosible n	nixture of	
Oxidising properties	:	Product does not pro	esent an c	xidizing	j hazard.				
Particle characteristics									
Median particle size	:	Not applicable.							
9.2 Other information									
No additional information.									

### SECTION 10: Stability and reactivity

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

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

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity Code : 00149922 SIGMACOVER 456 BASE BASE L Date of issue/Date of revision

: 11 July 2024

**SECTION 11: Toxicological information** 

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LD50 Dermal	Rabbit	1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	>2 g/kg	-
	LD50 Oral	Rat	>2 g/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
2-methoxy-1-methylethyl acetate	LC50 Inhalation Vapour	Rat	30 mg/l	4 hours
	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	6190 mg/kg	-
1,3-bis[12-hydroxy-octadecamide-N-	LC50 Inhalation Dusts and	Rat	>5.08 mg/l	4 hours
methylene]-benzene	mists			
Octadecanoic acid, 12-hydroxy-, reaction	LC50 Inhalation Dusts and	Rat	5.05 mg/l	4 hours
products with ethylenediamine	mists			
	LD50 Oral	Rat	>2000 mg/kg	-

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

#### Acute toxicity estimates

Route	ATE value	
Dermal	10094.32 mg/kg	
Inhalation (vapours)	58.85 mg/l	

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-
epoxy resin (MW ≤ 700)	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-

#### Conclusion/Summary

Skin	
Eyes	

: There are no data available on the mixture itself.

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

### **Sensitisation**

Product/ingre	dient name	Route of exposure	Species	Result
epoxy resin (MW ≤ 700) Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine		skin skin	Mouse Guinea pig	Sensitising Sensitising
Conclusion/Summary				
Skin	: There are no data ava	ailable on the mixtu	re itself.	
Respiratory	: There are no data ava	ailable on the mixtu	re itself.	
Mutagenicity				
<b>Conclusion/Summary</b>	: There are no data ava	ailable on the mixtu	re itself.	
<b>Carcinogenicity</b>				
<b>Conclusion/Summary</b>	: There are no data ava	ailable on the mixtu	re itself.	
Reproductive toxicity				
<b>Conclusion/Summary</b>	: There are no data ava	ailable on the mixtu	re itself.	
<b>Teratogenicity</b>				
<b>Conclusion/Summary</b>	: There are no data ava	ailable on the mixtu	re itself.	
English (GB)		Germany	1	12/19

Code	: 00149922	Date of issue/Date of revision	: 11 July 2024
SIGMACOVE	ER 456 BASE BASE I		

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

### Specific target organ toxicity (single exposure)

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

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

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

#### **Aspiration hazard**

Product/ingredient name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

### Information on likely : Not available.

### routes of exposure

Potential acute health effect	S	
Inhalation	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Skin contact	:	Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Eye contact	:	Causes serious eye irritation.
Symptoms related to the ph	ys	ical, chemical and toxicological characteristics
Inhalation	1	No specific data.
Ingestion	:	No specific data.
Skin contact	:	Adverse symptoms may include the following: irritation redness dryness cracking
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Delayed and immediate effe	ct	s as well as chronic effects from short and long-term exposure
<u>Short term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	:	Not available.
<u>Long term exposure</u>		
Potential immediate effects	1	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effe	ect	<u>s</u>
Not available.		
Conclusion/Summary	:	Not available.

Code : 00149922	Date of issue/Date of revision	: 11 July 2024
SIGMACOVER 456 BASE BASE L		

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

General	<ul> <li>Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.</li> </ul>
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.
Other information	: Not available.

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
epoxy resin (MW $\leq$ 700)	Acute LC50 1.8 mg/l	Daphnia	48 hours
	Chronic NOEC 0.3 mg/l	Daphnia	21 days
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2-methoxy-1-methylethyl acetate	Acute LC50 134 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
1,3-bis[12-hydroxy-octadecamide-N-methylene]- benzene	Acute LC50 >100 mg/l	Fish	96 hours
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	Acute EC50 >100 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 >10 mg/l	Daphnia - Daphnia magna	48 hours
	Acute LC50 >10 mg/l	Fish - Oncorhynchus mykiss	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
epoxy resin (MW ≤ 700) ethylbenzene 2-methoxy-1-methylethyl acetate	OECD 301F - -	5 % - 28 days 79 % - Readily - 10 days 83 % - Readily - 28 days		-
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	301D Ready Biodegradability - Closed Bottle Test	22 % - 28 days	-	

English (GB) Germany	14/19
----------------------	-------

Code	: 00149922	Date of issue/Date of revision	: 11 July 2024
SIGMACOVE	R 456 BASE BASE L		

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
epoxy resin (MW ≤ 700)	-	-	Not readily
ethylbenzene	-	-	Readily
2-methoxy-1-methylethyl acetate	-	-	Readily
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	-	-	Inherent

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene epoxy resin (MW ≤ 700) ethylbenzene 2-methoxy-1-methylethyl acetate Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	3.12 3 3.6 1.2 >5.86	7.4 to 18.5 31 79.43 - -	Low 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

#### European waste catalogue (EWC)

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

Code	: 00149922	Date of issue/Date of revision	: 11 July 2024	
SIGMACO	/ER 456 BASE BASE L			

### **SECTION 13: Disposal considerations**

### 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 conta residues ma Do not cut, v	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 container. weld or grind used containers unless they have been cleaned thoroughly wooid dispersal of spilt material and runoff and contact with soil, waterways, sewers.

### **SECTION 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	III	III	III	III
14.5 Environmental hazards	No.	Yes.	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.
Tunnel code	: (D/E)
ADN	: The product is only regulated as an environmentally hazardous substance when transported in tank vessels. This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.2.3.1.5.1.
IMDG	: This class 3 viscous liquid is not subject to regulation in packagings up to 450 L according to 2.3.2.5.
ΙΑΤΑ	: None identified.
14.6 Special pred user	cautions 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 Maritime tra bulk according to instruments	

Code	: 00149922	Date of issue/Date of revision	: 11 July 2024	

SIGMACOVER 456 BASE BASE L

### **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: Not applicable.on the manufacture,<br/>placing on the market<br/>and use of certain<br/>dangerous substances,<br/>mixtures and articles: Not applicable.Explosive precursors: Not applicable.

#### Ozone depleting substances (1005/2009/EU)

Not listed.

#### Seveso Directive

This product is controlled under the Seveso Directive.

<u>Remark</u>
Category
P5c

#### **National regulations**

Product/ingredient name	List name	Name on list	Classification	Notes
ethylbenzene	DFG MAC-values list	Ethylbenzene	K4	-
Storage class (TRGS 510)	: 3	-1		ł
Hazardous incident ordinance	: This product is controlled under the Germany Hazardous Incident Ordinance.			
Danger criteria				
Category				Reference number
P5c				1.2.5.3
Hazard class for water	: Class 2			
ΑΟΧ	: The product contains organically bound halogens and can contribute to the AOX value in waste water.			
References	(Technical Instructions regulations amending t (2005) ; Law on Explos protection of young wo 2003/105/EC of the Eu amending Council Dire dangerous substances Immission Control Act Ordinance – 12. BImSo Parliament and of the C Evaluation, Authorisatio	First General Administrative Regulation Pertaining to the Federal Immission Control Act (Technical Instructions on Air Quality Control – TA Luft) ; General administrative regulations amending the administrative regulations on water endangering substances (2005) ; Law on Explosive Substances (Explosive Act - SprengG) ; Law on the protection of young workers ; Ordinance on the Implementation of Directive 2003/105/EC of the European Parliament and of the Council of 16 December 2003 amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances (Twelfth Ordinance on the Implementation of the Federal Immission Control Act (Major Accidents Ordinance) (12th Federal Immission Control Ordinance – 12. BImSchV)) ; Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council		

Code : 00149922

Date of issue/Date of revision

: 11 July 2024

SIGMACOVER 456 BASE BASE L

### **SECTION 15: Regulatory information**

Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC ; Regulation on the Carriage of Dangerous Goods by Road (GGVS) [European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)] ; Regulation on the Carriage of Dangerous Substances on the Rhine (ADN) ; Regulation on the complementary implementation of the EC Directive on Maternity Protection (MuSchRiV - Maternity Protection Directive Regulation) Regulation on the European Liste of Wastes (GCU - Waste Regulation directory) ; Regulation on the protection against hazardous chemicals ; Regulation on the restrictions on the marketing and use of certain dangerous substances, preparations and articles according to the Chemicals Law ; Technical Rules for Hazardous Substances (TRGS): Directory of carcinogenic, mutagenic and reprotoxic substances (TRGS 905) ; Technical Rules for Hazardous Substances (TRGS): Occupational Exposure Limits (TRGS 900)

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

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

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

#### Full text of abbreviated H statements

English (GB)	Germany	18/19
H411	Toxic to aquatic life with long lasting effects.	
	exposure.	
H373	May cause damage to organs through prolonged	or repeated
H336	May cause drowsiness or dizziness.	
H335	May cause respiratory irritation.	
H332	Harmful if inhaled.	
H319	Causes serious eye irritation.	
H317	May cause an allergic skin reaction.	
H315	Causes skin irritation.	
H312	Harmful in contact with skin.	
H304	May be fatal if swallowed and enters airways.	
H226	Flammable liquid and vapour.	
H225	Highly flammable liquid and vapour.	

Code : 00149922 SIGMACOVER 456 BASE BASE L	Date of issue/Date of revision : 11 July 2024		
SECTION 16: Other information			
H412 H413	Harmful to aquatic life with long lasting effects. May cause long lasting harmful effects to aquatic life.		
Full text of classifications [CLP/GHS]			

Acute Tox. 4	ACUTE TOXICITY - Category 4
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
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE -
	Category 2
STOT SE 3	SPEČIFÍC TARGET ORGAN TOXICITY - SINGLE EXPOSURE -
	Category 3

<u>History</u>	
Date of issue/ Date of revision	: 11 July 2024
Date of previous issue	: 11 July 2024
Prepared by	: EHS
Version	: 13.01

### <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.