

# EG-MATERIAL SAFETY DATA SHEET



According to regulation (EC) n° 1907/2006 Annex II  
Revision date: 11.12.2018 Version: 3.0

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## Adisil rapid - component A

### 1. Identification of the Substance / Preparation and Company:

- 1.1 Product identifier:  
Commercial product name: Adisil rapid – component A  
Duplicating silicone
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:  
Identified uses: Moulding diverse objects.  
Uses advised against: None known.
- 1.3 Details of the supplier of the safety data sheet  
Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH  
Street / mailbox: Im Klei 26  
Country code. / postal code / city: D - 38644 Goslar  
Phone: Tel.: +49 (0) 53 21 / 37 79 – 0  
Fax: +49 (0) 53 21 / 38 96 32  
E-mail / Website: [info@siladent.de](mailto:info@siladent.de) - [www.siladent.de](http://www.siladent.de)
- 1.4 Further information obtainable from:  
SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

### 2. Hazards Identification:

- 2.1. Classification of the substance or mixture: The product has not been classified as hazardous according to the legislation in force.  
Classification according to Regulation (EC) No 1272/2008 as amended. Not classified
- 2.2 Label Elements: Not applicable  
Hazard summary:  
Physical Hazards: No specific recommendations.  
Health Hazards:  
Inhalation: No specific symptoms noted.  
Eye contact: No specific symptoms noted.  
Skin Contact: No specific symptoms noted.  
Ingestion: No specific symptoms noted.  
Other Health Effects: No other information noted.  
Environmental hazards: Not regarded as dangerous for the environment.
- 2.3 Other hazards: Meets vPvB criteria

### 3. Composition / Information on Ingredients:

#### 3.2 Mixtures

General information:		Mixture of organosiloxanes, additives.				
Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	208-764-9	01-2119511367-43-0003	No data available.	vPvB
Dodecamethylcyclohexasiloxane	0,1 - <1%	540-97-6	208-762-8	01-2119517435-42-0002	No data available.	vPvB

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

Chemical name	Classification	Notes
Decamethylcyclopentasiloxane	None known.	No data available.
Dodecamethylcyclohexasiloxane	None known.	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

### 4. First aid measures:

General: Get medical attention if symptoms occur. Contaminated

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		clothing to be placed in closed container until disposal or decontamination.
4.1	Description of first aid measures:	
	Inhalation:	Not relevant.
	Skin Contact:	Remove contaminated clothing and shoes. Wash with soap and water.
	Eye contact:	In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.
	Ingestion:	Do not induce vomiting. Rinse mouth thoroughly.
4.2	Most important symptoms and effects, both acute and delayed:	None known.
4.3	Indication of any immediate medical attention and special treatment needed:	
	Hazards:	No specific recommendations.
	Treatment:	No specific recommendations.
<b>5.</b>	<b>Fire Fighting measures:</b>	
	General Fire Hazards:	No specific recommendations.
5.1	Extinguishing media	
	Suitable extinguishing media:	Extinguish with foam, carbon dioxide or dry powder.
	Unsuitable extinguishing media:	Water spray.
5.2	Special hazards arising from the substance or mixture:	None known. For further information, refer to section 10: "Stability and Reactivity".
		This product may generate hydrogen gas. Vapours may form explosive mixtures with air. For further information, refer to section 10: "Stability and Reactivity".
5.3	Advice for firefighters:	
	Special firefighting procedures:	Water spray should be used to cool containers.
	Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>6.</b>	<b>Accidental release measures:</b>	
6.1	Personal precautions, protective equipment and emergency procedures:	
	For non-emergency personnel:	Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.
	For emergency responders:	No data available.
6.2	Environmental Precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground.
6.3	Methods and material for containment and cleaning up:	Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent. (cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.
6.4	Reference to other sections:	Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.
<b>7.</b>	<b>Handling and Storage:</b>	
7.1	Precautions for safe handling	No specific precautions.
7.2	Conditions for safe storage, including any incompatibilities:	No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers: polyethylene. Plastic lined steel drum.
	Storage Class:	No data available.

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7.3 Specific end use(s): No specific recommendations.

### 8. Exposure controls / Personal protection:

8.1 Control Parameters:  
Occupational Exposure Limits: None of the components have assigned exposure limits.

8.2 Exposure controls:  
Appropriate engineering controls: No specific recommendations.

Individual protection measures, such as personal protective equipment:  
General information: No specific precautions.  
Eye/face protection: Safety Glasses  
Skin protection: Material: Nitrile.  
Hand Protection: Material: Polyvinyl chloride (PVC).  
Material: Rubber or plastic.

Other: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection: No specific precautions.  
Hygiene measures: Provide eyewash station and safety shower.  
Environmental Controls: No data available.

### 9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties

Physical state: Liquid  
Form: Viscous  
Colour: White  
Odour: Odourless  
Odour threshold: No data available.  
pH-Value: Not applicable.  
Freezing point: No data available.  
Boiling Point: No data available.  
Flash Point: > 200 °C (Closed cup according to method ASTM D-56.)  
Evaporation Rate: No data available.  
Flammability (solid, gas): No data available.  
Flammability Limit - Upper (%)-: No data available.  
Flammability Limit - Lower (%)-: No data available.  
Vapour pressure: < 0,1 hPa (20 °C)  
Vapour density (air=1): No data available.  
Density: Approximate 1,1 kg/dm<sup>3</sup> (20 °C)  
Solubility(ies):  
Solubility in Water: Practically Insoluble  
Solubility (other): Diethylether: Miscible (in all proportions).  
Chlorinated solvents: Miscible (in all proportions).  
Aromatic hydrocarbons: Miscible (in all proportions).  
Aliphatic hydrocarbons: Miscible (in all proportions).  
Acetone: Very slightly soluble.  
Ethanol: Very slightly soluble.

Partition coefficient (n-octanol/water): No data available.  
Autoignition Temperature: > 400 °C  
Decomposition Temperature: > 200 °C  
Viscosity: 4 100 mm<sup>2</sup>/s (20°C)  
Explosive properties: No data available.  
Oxidizing properties: According to the data on the components Not considered as oxidising. (evaluation by structure-activity relationship)

9.2 Other information: No data available.

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**10. Stability and Reactivity:**

10.1	Reactivity:	Not relevant.
10.2	Chemical Stability:	Stable
10.3	Possibility of Hazardous Reactions:	Not known.
10.4	Conditions to Avoid:	No other information noted.
10.5	Incompatible Materials:	Strong oxidizing agents.
10.6	Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Amorphous silica.

**11. Toxicological Information:**

	Information on likely routes of exposure	
	Inhalation:	No effects expected (assessment based on ingredients).
	Ingestion:	No effects expected (assessment based on ingredients).
	Skin Contact:	No effects expected (assessment based on ingredients).
	Eye contact:	No effects expected (assessment based on ingredients).
11.1	Information on toxicological effects:	
	Acute Toxicity:	
	Oral:	Not classified for acute toxicity based on available data.
	Product:	
	Dermal:	Not classified for acute toxicity based on available data.
	Product:	
	Inhalation:	
	Product:	Composition/information on ingredients
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	LC 50 (Rat): 8,67 mg/l
	Repeated Dose Toxicity:	
	Product:	No data available.
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	NOAEL (Rat, Oral): $\geq 1\ 000$ mg/kg NOAEL (Rat, Inhalation - vapour): $\geq 2,42$ mg/l NOAEL (Rat, Dermal): $\geq 1\ 600$ mg/kg NOAEL (Rat, Oral): $\geq 1\ 000$ mg/kg Method: OECD 422 NOAEL (Rat, Inhalation - vapour): 0,0182 mg/l Method: OECD 413
	Dodecamethylcyclohexasiloxane:	
	Skin Corrosion/Irritation:	
	Product:	Composition/information on ingredients
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	Rabbit: Not irritating
	Dodecamethylcyclohexasiloxane:	OECD 404 (Rabbit): Not irritating
	Serious Eye Damage/Eye Irritation:	
	Product:	Composition/information on ingredients
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	Rabbit : Not irritating
	Dodecamethylcyclohexasiloxane:	OECD 405 (Rabbit): Not irritating
	Respiratory or Skin Sensitization:	
	Product:	Composition/information on ingredients
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	Not a skin sensitizer.
	Dodecamethylcyclohexasiloxane:	OECD 406 (Guinea Pig): Not a skin sensitizer.
	Germ Cell Mutagenicity:	
	In vitro:	
	Product:	Composition/information on ingredients
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	Chromosomal aberration: No mutagenic components identified. Bacteria: No mutagenic components identified.
	Dodecamethylcyclohexasiloxane:	Mouse lymphoma cells (OECD 476): negative with and

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	without metabolic activation Bacteria (OECD 471): negative with and without metabolic activation
In vivo:	
Product:	No data available.
Specified substance(s):	
Decamethylcyclopentasiloxane:	No effects expected.
Dodecamethylcyclohexasiloxane:	Mammalian erythrocyte micronucleus test (OECD 474): No mutagenic effects.
Carcinogenicity:	
Product:	No data available.
Reproductive Toxicity:	
Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Based on available data, the classification criteria are not met.
Reproductive toxicity (Fertility):	
Product:	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclopentasiloxane:	Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64 mg/l NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416
Dodecamethylcyclohexasiloxane:	Reproduction/developmental toxicity screening test. Rat (Gavage (Oral)): NOAEL (parent): >= 1 000 mg/kg NOAEL (F1):>= 1 000 mg/kg NOAEL (F2): Method: OECD 422
Developmental toxicity (Teratogenicity):	
Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Rabbit NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414 Rat NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414
Specific Target Organ Toxicity - Single Exposure:	
Product:	No data available.
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Repeated Exposure:	
Product:	No data available.
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Based on available data, the classification criteria are not met.
Aspiration Hazard:	
Product:	No data available.

## 12. Ecological Information:

12.1 Toxicity:	
Acute toxicity:	
Fish:	
Product:	No data available.
Aquatic Invertebrates:	
Product:	No data available.
Chronic Toxicity:	
Fish:	
Product:	No data available.

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Specified substance(s):		NOEC (Oncorhynchus mykiss, 90 d): $\geq 0,014$ mg/l
Decamethylcyclopentasiloxane:		
Aquatic Invertebrates:		
Product:		Composition/information on ingredients
Specified substance(s):		
Dodecamethylcyclohexasiloxane:		NOEC (Water flea (Daphnia magna), 21 d): $\geq 0,0046$ mg/l
Toxicity to Aquatic Plants:		Composition/information on ingredients
Product:		
Specified substance(s):		
Dodecamethylcyclohexasiloxane:		NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): $\geq 0,002$ mg/l EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): $> 0,002$ mg/l
12.2	Persistence and Degradability:	
	Biodegradation:	Composition/information on ingredients
	Product:	
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	0,14 % (28 d) The product is not readily biodegradable.
	Dodecamethylcyclohexasiloxane:	4,5 % (28 d, OECD 310) The product is not readily biodegradable.
	BOD/COD Ratio:	
	Product:	No data available.
12.3	Bioaccumulative Potential:	
	Product:	Composition/information on ingredients
	Specified substance(s):	
	Decamethylcyclopentasiloxane:	Fathead Minnow, Bioconcentration Factor (BCF): 7 060
	Dodecamethylcyclohexasiloxane:	Fathead Minnow, Bioconcentration Factor (BCF): 2 860 (OECD 305) Has the potential to bioaccumulate.
12.4	Mobility in Soil:	No data available.
12.5	Results of PBT and vPvB assessment:	Composition/information on ingredients
	Decamethylcyclopentasiloxane	Meets vPvB criteria REACH (1907/2006) Ax XIII
	Dodecamethylcyclohexasiloxane	Meets vPvB criteria REACH (1907/2006) Ax XIII
12.6	Other Adverse Effects:	None known.
<b>13.</b>	<b>Disposal Considerations:</b>	
13.1	Waste treatment methods	
	General information:	The user's attention is drawn to the possible existence of local regulations regarding disposal.
	Disposal methods:	
	Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate.
	Contaminated Packaging:	Contaminated packages should be as empty as possible and equipped with a degassing device. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.
<b>14.</b>	<b>Transport Information:</b>	
	This material is not subject to transport regulations.	
	Other information:	No special precautions.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

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### 15. Regulatory Information:

15.	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	National Regulations:	
	Water Hazard Class (WGK):	WGK 1: slightly water-endangering.
15.2	Chemical safety assessment:	No Chemical Safety Assessment has been carried out.
	Inventory Status	
	Australia AICS:	On or in compliance with the inventory
	Canada DSL Inventory List:	On or in compliance with the inventory
	EINECS, ELINCS or NLP:	On or in compliance with the inventory
	Japan (ENCS) List:	Not in compliance with the inventory.
	China Inv. Existing Chemical Substances:	On or in compliance with the inventory
	Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
	Philippines PICCS:	On or in compliance with the inventory
	US TSCA Inventory:	On or in compliance with the inventory

### 16. Other Information:

Revision Information:	Not relevant.
References	
PBT	PBT: persistent, bioaccumulative and toxic substance.
vPvB	vPvB: very persistent and very bioaccumulative substance.
Key abbreviations or acronyms used:	No data available.
Key literature references and sources for data:	No data available.
Wording of H-statements in section 2 and 3:	None
Training information:	No data available.
Disclaimer:	
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