

Product name: ADDID® 700

# SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

### 1.1 Product identifier

**Product name:**  
ADDID® 700

**Chemical name:**  
Polydimethylsiloxane

#### Additional identification

<b>Chemical name:</b>	Siloxanes and Silicones, di-Me
<b>Chemical formula:</b>	-
<b>INDEX No.</b>	-
<b>CAS-No.</b>	63148-62-9
<b>EC No.</b>	613-156-5

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Industrial use

**Uses advised against:** None known.

### 1.3 Details of the supplier of the safety data sheet

Company Name	: Evonik Operations GmbH Rellinghauser Str. 1-11 45128 Essen Germany
Telephone	: +49 201 173 01
Fax	: +49 201 173 3000
E-mail	: productsafety-cs@evonik.com

### 1.4 Emergency telephone number:

24-Hour Health	: +49 2365 49 2232
Emergency	+49 2365 49 4423 (Fax)

National Poison Information Service (NPIS)  
England, Scotland and Wales: NHS: 111

## SECTION 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.

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Not classified

**2.2 Label Elements** Not applicable

**Unknown toxicity - Health**

Acute toxicity, inhalation, vapor 0 %

Acute toxicity, inhalation, dust or mist 0 %

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

**2.3 Other hazards**

None known.

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

**Chemical name:**

Polydimethylsiloxane

**3.1 Substances**

**General information:** No hazardous ingredients.

**Chemical name:** Siloxanes and Silicones, di-Me

**INDEX No.:**

**CAS-No.:** 63148-62-9

**EC No.:** 613-156-5

**REACH Registration No.:**

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:** No information available.

**Inhalation:** fresh air supply, consult a doctor if feeling unwell.

**Skin Contact:** In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.

**Eye contact:** In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

**Ingestion:** Give copious water in small draughts. Do not induce vomiting. In case of discomfort: Supply with medical care.

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**Personal Protection for First-aid Responders:** No data available.

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

**Symptoms:** No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.

**Hazards:** No data available.

#### 4.3 Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Water fog. Dry powder Alcohol resistant foam. Carbon dioxide Sand

**Unsuitable extinguishing media:** Water spray jet High volume water jet.

**5.2 Special hazards arising from the substance or mixture:** In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide

#### 5.3 Advice for firefighters

**Special fire fighting procedures:** No specific precautions.

**Special protective equipment for fire-fighters:** Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear full protective suit.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. High risk of slipping due to leakage/spillage of product

**6.1.1 For non-emergency personnel:** No data available.

**6.1.2 For emergency responders:** No data available.

**6.2 Environmental Precautions:** Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

**6.3 Methods and material for containment and cleaning up:** Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

**6.4 Reference to other sections:** For further information on exposure monitoring and disposal see sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

**Technical measures:** No data available.

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**Local/Total ventilation:** No data available.

**Safe handling advice:** No special measures are necessary if properly handled.

**Contact avoidance measures:** No data available.

**7.2 Conditions for safe storage, including any incompatibilities**

**Safe storage conditions:** Keep container tightly closed. Protect against direct sunlight. Recommended storage temperature: < 30 °C.

**Safe packaging materials:** No data available.

**Storage Temperature:** < 30 °C

**7.3 Specific end use(s):** No further recommendations.

**SECTION 8: Exposure controls/personal protection**
**8.1 Control Parameters**
**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

**DNEL-Values**

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Dodecamethylcyclohexasiloxane	Workers	Inhalation	Local, long-term; 1.22 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
	Workers	Eyes	Local effect;	No hazard identified
	General population	Inhalation	Local, short-term; 1.5 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Inhalation	Local, long-term; 0.3 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 2.7 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Oral	Systemic, short-term; 1.7 mg/kg	Repeated dose toxicity
Decamethylcyclopentasiloxane	Workers	Inhalation	Systemic, long-term; 11 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Local, short-term; 6.1 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 1.7 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Local, long-term; 24.2 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 17.3 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	Workers	Inhalation	Systemic, long-term; 97.3 mg/m <sup>3</sup>	Repeated dose toxicity
octamethylcyclotetrasiloxane	General population	Inhalation	Local, long-term; 4.3 mg/m <sup>3</sup>	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
	General population	Oral	Systemic, long-term; 5 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 13 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 73 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Local, long-term; 73 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Inhalation	Local, long-term; 73 mg/m <sup>3</sup>	Repeated dose toxicity

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	General population	Inhalation	Local, long-term; 13 mg/m <sup>3</sup>	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
	General population	Oral	Systemic, long-term; 3.7 mg/kg	Repeated dose toxicity

### PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Dodecamethylcyclohexasiloxane	Predator	66.7 mg/kg	Oral
	Sediment (marine water)	1.3 mg/kg	
	Sewage treatment plant	1 mg/l	
	Soil	3.77 mg/kg	
	Sediment (freshwater)	13 mg/kg	
Decamethylcyclopentasiloxane	Predator	16 mg/kg	Oral
	Sewage treatment plant	10 mg/l	
	Soil	2.54 mg/kg	
	Aquatic (marine water)	0.12 µg/l	
	Sediment (marine water)	1.1 mg/kg	
octamethylcyclotetrasiloxane	Aquatic (freshwater)	1.2 µg/l	
	Sediment (freshwater)	11 mg/kg	
	Predator	41 mg/kg	Oral
	Soil	0.54 mg/kg	
	Sediment (freshwater)	3 mg/kg	
octamethylcyclotetrasiloxane	Aquatic (freshwater)	1.5 µg/l	
	Aquatic (marine water)	0.15 µg/l	
	Sewage treatment plant	10 mg/l	
	Sediment (marine water)	0.3 mg/kg	

## 8.2 Exposure controls

**Appropriate Engineering Controls:** No data available.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety goggles

**Hand Protection:** Material: Nitrile butyl rubber (NBR).  
 Break-through time: > 480 min  
 Glove thickness: > 0.1 mm  
 Additional Information: The protective gloves to be worn must satisfy the specifications of Regulation (EU) 2016/425 and the resulting Standard EN374., Specific workplace situations must be considered separately.  
 Material: Butyl rubber.  
 Break-through time: > 480 min  
 Glove thickness: > 0.3 mm

**Skin and Body Protection:** light protective clothing

**Respiratory Protection:** Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, combination filter A-P1

**Hygiene measures:** When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.

**Environmental Controls:** The environmental regulations on the control and monitoring of environmental exposures are to be observed.

## SECTION 9: Physical and chemical properties

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**9.1 Information on basic physical and chemical properties****Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Slight
<b>Odor Threshold:</b>	not measured
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	not measured
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	not measured
<b>Explosive limit - lower:</b>	not measured
<b>Flash Point:</b>	Approximate 205 °C Method: ISO 2719 (Pensky-Martens (A and B Closed Cup))
<b>Auto-ignition temperature:</b>	Approximate 420 °C Method: DIN 51794
<b>Decomposition Temperature:</b>	> 250 °C
<b>pH:</b>	Not determined.
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	2,000 - 20,000 mPa.s at 25 °C Method: Brookfield
<b>Kinematic viscosity:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Practically Insoluble
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Relative density:</b>	1 at 20 °C Method: DIN 51757
<b>Density:</b>	Approximate 1 g/cm <sup>3</sup> at 20 °C Method: DIN 51757
<b>Relative vapor density:</b>	not measured

**9.2 Other information**

<b>Explosive properties:</b>	not measured
<b>Oxidizing properties:</b>	not measured
<b>Self-ignition:</b>	not measured
<b>Metal Corrosion:</b>	not measured
<b>Evaporation Rate:</b>	not measured

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**SECTION 10: Stability and reactivity**

<b>10.1</b>	<b>Reactivity:</b>	see section "Possibility of hazardous reactions".
<b>10.2</b>	<b>Chemical Stability:</b>	The product is stable under normal conditions.
<b>10.3</b>	<b>Possibility of hazardous reactions:</b>	No hazardous reactions with proper storage and handling
<b>10.4</b>	<b>Conditions to avoid:</b>	Unknown
<b>10.5</b>	<b>Incompatible Materials:</b>	Unknown
<b>10.6</b>	<b>Hazardous Decomposition Products:</b>	None with proper storage and handling. in the presence of air small amounts of formaldehyde are evolved due to oxidative decomposition when heated to and above 150°C.

**SECTION 11: Toxicological information**
**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Information on likely routes of exposure**

<b>Inhalation:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

**Acute toxicity (list all possible routes of exposure)**
**Oral**
**Product:** LD 50, Rat, > 2,000 mg/kg

**Dermal**
**Product:** LD 50, Rat, > 2,000 mg/kg

**Inhalation**
**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**
**Product:** No data available.

**Skin Corrosion/Irritation**
**Product:** Not irritant, Not irritating

**Serious Eye Damage/Eye Irritation**
**Product:** Not irritating, Not irritating

**Respiratory or Skin Sensitization**
**Product:** No data available.

**Carcinogenicity**
**Product:** No data available.

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**Germ Cell Mutagenicity**

No data available.

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** Not classified

**11.2 Information on other hazards**

**Other information**

**Product:** Proper use provided, no adverse health effects have been observed or have been come to our knowledge.;

**SECTION 12: Ecological information**

**12.1 Toxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** LC 0, Zebra Fish, 96 h, 80 mg/l  
LC 50, Zebra Fish, 96 h, > 100 mg/l

**Aquatic Invertebrates**

**Product:** EC 50, Daphnia magna, 48 h, > 100 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Toxicity to microorganisms**

**Product:** Clarification sludge, 3 h, > 1,000 mg/l

**Toxicity to soil dwelling organisms**

**Product:** No data available.

**Toxicity to terrestrial organisms**

**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.



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**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Toxicity to microorganisms**

**Product:** Clarification sludge, 3 h, > 1,000 mg/l

**Toxicity to soil dwelling organisms**

**Product:** No data available.

**Toxicity to terrestrial organisms**

**Product:** No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**12.3 Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** Will not bio-accumulate.

**Partition Coefficient n-octanol / water (log K<sub>ow</sub>)**

**Product:** not measured

**12.4 Mobility in soil:**

**Product** No data available.

**12.5 Results of PBT and vPvB assessment:**

**Product** No data available.

**12.6 Other adverse effects:**

**Other hazards**

**Product:** Do not allow to enter soil, waterways or waste water canal.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** No data available.

**Disposal methods:** In accordance with local authority regulations, take to special waste incineration plant

**Contaminated Packaging:** If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

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## SECTION 14: Transport information

### 14.1 UN/ID No.

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

#### EU Regulations

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:** Not applicable

**15.2 Chemical safety assessment:** No chemical safety assessment was carried out for this product.

## SECTION 16: Other information

### Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory;

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LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Key literature references and sources for data:** No data available.

**Training information:** Comply with national laws regulating employee instruction.

**Other information:** none

**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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