



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Jokisch Migma Rino EPY**

Revision: 01.01.2025

Product code: 134

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
556-67-2	209-136-7	octamethylcyclotetrasiloxane	< 0.1 %
		inhalation: LC50 = 36 mg/l (vapours); dermal: LD50 = 2735 mg/kg; oral: LD50 = > 4800 mg/kg Aquatic Chronic 1; H410: M=10	

**Further Information**

Full text of H-phrases: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps.

**After inhalation**

Move victim to fresh air. Put victim at rest and keep warm.

**After contact with skin**

Remove contaminated, saturated clothing immediately. Gently wash with plenty of soap and water.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting.

Rinse mouth immediately and drink plenty of water.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water fog. Foam. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Strong water jet

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Keep away from sources of ignition - No smoking.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation.

High slip hazard because of leaking or spilled product.

Do not breathe gas/fumes/vapour/spray.

**For non-emergency personnel**

Remove contaminated, saturated clothing immediately.

**For emergency responders**

The danger areas must be delimited and identified using relevant warning and safety signs. Move victim out of

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danger zone.

**6.2. Environmental precautions**

Avoid release to the environment.

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**6.4. Reference to other sections**

SECTION 7: Handling and storage

SECTION 8: Exposure controls/personal protection

SECTION 13: Disposal considerations

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Use only in well-ventilated areas.

When using do not eat, drink or smoke.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 5-40 °C

Maximum period of storage (time): 1 year

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

**7.3. Specific end use(s)**

Antifoaming agent (defoaming agent)

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
556-67-2	octamethylcyclotetrasiloxane			
Worker DNEL, long-term		inhalation	systemic	73 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	73 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	13 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	13 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	3,7 mg/kg bw/day

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#### PNEC values

CAS No	Substance	
Environmental compartment		Value
556-67-2	octamethylcyclotetrasiloxane	
Freshwater		1,5
Marine water		0,15
Freshwater sediment		3 mg/kg
Marine sediment		0,3 mg/kg
Secondary poisoning		41 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,54 mg/kg

#### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls



Individual protection measures, such as personal protective equipment

##### Eye/face protection

Tightly sealed safety glasses.

##### Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Protect skin by using skin protective cream. Wash hands before breaks and after work.

##### Skin protection

Protective clothing:

##### Respiratory protection

Provide adequate ventilation.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	whitish
Odour:	characteristic
Odour threshold:	No information available.

Flash point:

pH-Value (at 20 °C):

Viscosity / kinematic:  
(at 20 °C)

Density (at 20 °C):

#### Test method

DIN EN ISO 2719

6,5 ISO 976

ASTM D 7042

0,95 g/cm<sup>3</sup> ISO 2811

### 9.2. Other information

No information available.

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**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to the escape of irritating gases and vapours. Silicon dioxide., Formaldehyde

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
556-67-2	octamethylcyclotetrasiloxane				
	oral	LD50 > 4800 mg/kg	Rat		OECD 401
	dermal	LD50 2735 mg/kg	Rat		OECD 402
	inhalation (4 h) vapour	LC50 36 mg/l	Rat	ECHA	

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Irritating to eyes.

**Sensitising effects**

Based on available data, the classification criteria are not met.

No information available.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

No information available.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

No information available.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards**

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**Endocrine disrupting properties**

556-67-2 Octamethylcyclotetrasiloxan: Liste II, III

**SECTION 12: Ecological information****12.1. Toxicity**

Based on available data, the classification criteria are not met.

**12.2. Persistence and degradability**

No information available.

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
556-67-2	octamethylcyclotetrasiloxane		3,7 %	29	
	Not easily bio-degradable (according to OECD-criteria).				

**12.3. Bioaccumulative potential**

No information available.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
556-67-2	octamethylcyclotetrasiloxane	6,98

**12.4. Mobility in soil**

No information available.

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

The mixture contains the following substances fulfilling the PBT criteria according to REACH, annex XIII: octamethylcyclotetrasiloxane.

The mixture contains the following substances fulfilling the vPvB criteria according to REACH, annex XIII: octamethylcyclotetrasiloxane.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

556-67-2 Octamethylcyclotetrasiloxan: Liste II, III

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

160306 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes other than those mentioned in 16 03 05

**SECTION 14: Transport information****Land transport (ADR/RID)****14.1. UN number or ID number:**

No dangerous good in sense of these transport regulations.

**14.2. UN proper shipping name:**

No dangerous good in sense of these transport regulations.

**14.3. Transport hazard class(es):**

No dangerous good in sense of these transport regulations.

**14.4. Packing group:**

No dangerous good in sense of these transport regulations.



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#### Inland waterways transport (ADN)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	No dangerous good in sense of these transport regulations.

#### Marine transport (IMDG)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	-

#### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number or ID number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	-

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

Personal protection equipment: see section 8

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

not applicable

### SECTION 15: Regulatory information

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

##### EU regulatory information

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
octamethylcyclotetrasiloxane

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

### SECTION 16: Other information

#### Changes

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

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**Abbreviations and acronyms**

Flam. Liq. 3: Flammable liquids, hazard category 3  
Repr. 2: Reproductive toxicity, hazard category 2  
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard category: Chronic 1  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
Repr. - Reproduktionstoxizität  
Asp. Tox. - Aspirationstoxizität  
Acute Tox. - Akute Toxizität  
Aquatic Acute - Akute aquatische Toxizität  
Aquatic Chronic - Chronische aquatische Toxizität  
Eye Dam. - Augenschaden/-reizung  
Eye Irrit. - Augenreizung  
Skin Corr. - Ätzwirkung auf die Haut  
Skin Irrit. - Hautreizung  
Skin Sens. - Hautallergen  
Resp. Sens. - Inhalationsallergen  
STOT SE - Spezifische Zielorgan-Toxizität - einmalige Exposition  
STOT RE - Spezifische Zielorgan-Toxizität - wiederholte Exposition  
VOC - Flüchtige organische Verbindungen

**Relevant H and EUH statements (number and full text)**

H226 Flammable liquid and vapour.  
H361f Suspected of damaging fertility.



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H410

Very toxic to aquatic life with long lasting effects.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*