

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier:

Product name: MAGIC RUBBER PARTE A

Synonyms, Trade Names:
MAGIC RUBBER, RUBBER
JOINT, GASKET KIT

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

Identified uses: Molding diverse objects.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

RAYTECH Srl
Via E.Fermi 11,13,17
I-20019 Settimo Milanese

Telephone: +39 (02) 33500147

Fax: +39 (02) 33500287

E-mail: info@raytech.it

Supplier:

RAYTECH Srl
Via E.Fermi 11,13,17
I-20019 Settimo Milanese

Telephone: +39 (02) 33500147

1.4 Emergency telephone number: +39 (02) 33500147

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards:

Specific Target Organ Toxicity - Repeated Exposure	Category 1	H372: Causes damage to organs through prolonged or repeated exposure.
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2.2 Label Elements:

Supplemental label information:

EUH210: Safety data sheet available on request.

2.3 Other hazards:

Physical Hazards: No specific recommendations.

Health Hazards:



- Inhalation:** Quartz/cristobalite : When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use. Although classified according to EC criteria, this product is exempt from labelling according to article 23 and Annex 1 (section 1.3.4.1) of regulation (CE) n°1272/2008.
- 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.
- Other hazards:** No PBT/vPvB mixture level data, AND mixture DOES NOT contain substance(s) that meet PBT and/or vPvB criteria.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

General information: Mixture of Polyorganosiloxanes, fillers, additives.

Chemical name	Concentration*	Type	CAS-No.	EC No.	REACH Registration No.	Notes
Quartz (SiO ₂)	10 - <20%	Component	14808-60-7	238-878-4	Exempt	#

* 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).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification:

Chemical name	Classification	M-Factor:	Notes
Quartz (SiO ₂)	STOT RE 1 H372;	None.	None.

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

SECTION 4: First aid measures

General information:

Get medical attention if symptoms occur.

Contaminated 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.

SECTION 5: Firefighting measures

General Fire Hazards:

No specific recommendations.

5.1 Extinguishing media:

Suitable extinguishing media:

Extinguish with foam, carbon dioxide or dry powder. Water spray.

Unsuitable extinguishing media:

None known.

5.2 Special hazards arising from the substance or mixture:

None known.

For further information, refer to section 10: "Stability and Reactivity".

5.3 Advice for firefighters:

Special fire fighting 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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

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.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Precautions:

No specific precautions.

Hygiene measures:

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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.

7.3 Specific end use(s):

No specific recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters:

Occupational Exposure Limits:

Quartz/cristobalite : When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use.

8.2 Exposure controls:

Appropriate Engineering Controls:

Use engineering controls to reduce air contamination to permissible exposure level. The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Engineering controls are always preferable to personal protective equipment. Control measures to consider: Provide adequate ventilation. In case of inadequate ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment:

Avoid inhalation of vapors/aerosols/dusts and contact with skin and eyes. Personal protective equipment should be chosen according to applicable standards, adapted to the conditions of use of the product and in discussion with the supplier of the personal protective equipment.

Eye/Face Protection:

Safety glasses with side shields.



Hand Protection:

This recommendation is valid only for the product named in this safety data sheet supplied by us, and only for the indicated intended use purposes.

Prolonged or repeated contact:

Material: Nitrile.

Glove thickness: 1,25 mm

Guideline: EN374-3

Short contact:

Material: Nitrile / Neoprene

Glove thickness: 0,198 mm

Guideline: EN374-3

Skin and Body Protection:

Wear appropriate clothing to prevent any possibility of skin contact. Isolate contaminated clothing and wash before reuse. In case of splashes: Wear apron or special protective clothing.

Wear suitable protective clothing.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use the following CE approved air-purifying respirator: Breathing apparatus with combined filter type ABEK. Wear respiratory protection with combination filter (dust and gas filter) during operations leading to the formation of dust/aerosols.

Environmental Controls:

See sections 7 and 13 of the Safety Data Sheet.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state:

Liquid

Form:

Viscous

Color:

Gray

Odor:

Odorless

Odor Threshold:

No data available.

pH:

Not applicable

Melting point/freezing point:

No data available.

Boiling Point:

No data available.

Flash Point:

> 200 °C (Closed cup according to method ASTM D56.)

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Flammability Limit - Upper (%):

No data available.

Flammability Limit - Lower (%):

No data available.

Vapor pressure:

< 0,1 hPa (20 °C)

Vapor density (air=1):	No data available.
Density:	Approximate 1,2 kg/dm ³ (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.
Self Ignition Temperature:	> 400 °C
Decomposition Temperature:	> 200 °C
Kinematic viscosity:	Approximate 5 000 mm ² /s (20 °C)
Dynamic viscosity:	Approximate 6 000 mPa.s (20 °C)
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

9.2 **Other information:** No data available.

SECTION 10: Stability and reactivity

10.1 **Reactivity:**

Not relevant.

10.2 **Chemical Stability:**

Stable

10.3 **Possibility of hazardous reactions:**

No data available.

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 vapors.
Amorphous silica.

SECTION 11: Toxicological information

Information on likely routes of exposure:

Inhalation:

No data available.

Ingestion:

No data available.



Skin contact:

No data available.

Eye contact:

No data available.

11.1 Information on toxicological effects:

Acute toxicity:

Oral: No data available.

Dermal: No data available.

Inhalation: No data available.

Repeated dose toxicity:

No data available.

Skin Corrosion/Irritation:

No data available.

Serious Eye Damage/Eye Irritation:

No data available.

Respiratory or Skin Sensitization:

No data available.

Germ Cell Mutagenicity:

In vitro: No data available.

In vivo: No data available.

Carcinogenicity:

No data available.

Reproductive toxicity:

Fertility: No data available.

Teratogenicity: No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

Specific Target Organ Toxicity - Repeated Exposure:

Based on our knowledge of the composition information: Causes damage to organs through prolonged or repeated exposure.

QUARTZ (SiO₂) (CAS-No. 14808-60-7):

Causes damage to organs through prolonged or repeated exposure if inhaled.

Aspiration Hazard:

No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish: No data available.

Aquatic Invertebrates: No data available.

Aquatic plants: No data available.

Toxicity to microorganisms: No data available.

Chronic Toxicity:

Fish: No data available.

Aquatic Invertebrates: No data available.

12.2 Persistence and Degradability:

Biodegradation: No data available.

BOD/COD Ratio: No data available.

12.3 Bioaccumulative potential:

Bioconcentration Factor (BCF): No data available.

Partition coefficient (n-octanol/water): No data available.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods:

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. 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.



SECTION 14: Transport information

This material is not subject to transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

SECTION 15: Regulatory information

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

EU Regulations:

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:

none

Regulation (EC) No. 850/2004 on persistent organic pollutants:

none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals:

none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:

none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):

none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II:

Pollutants:

none

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.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.

SECTION 16: Other information

Revision Information:

SECTION 3: Modification: Composition/information on ingredients

Abbreviations and acronyms:

CLP: Regulation No. 1272/2008.
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
NOAEL - No Observable Adverse Effect Level
LOAEL - Lowest Observable Adverse Effect Level

Key literature references and sources for data:

No data available.

Wording of the H-statements in section 2 and 3:

H372 Causes damage to organs through prolonged or repeated exposure.

Issue Date: 10.02.2020

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.



SAFETY DATA SHEET

According to regulation (EC) n° 1907/2006 Annex II

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

1.1 Product identifier:

Product name: MAGIC RUBBER PARTE B

Synonyms, Trade Names:

MAGIC RUBBER RUBBER
JOINT GASKET KIT

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:

RAYTECH Srl
Via E.Fermi 11,13,17
I-20019 Settimo Milanese

Telephone: +39 (02) 33500147

Fax: +39 (02) 33500287

E-mail: info@raytech.it

Supplier:

RAYTECH Srl
Via E.Fermi 11,13,17 I-
20019 Settimo Milanese

Telephone: +39 (02) 33500147

1.4 Emergency telephone number: +39 (02) 33500147

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Specific Target Organ Toxicity - Repeated Exposure	Category 1	H372: Causes damage to organs through prolonged or repeated exposure.
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2.2 Label Elements

Supplemental label information

EUH210: Safety data sheet available on request.

Hazard summary

Physical Hazards: No specific recommendations.

Health Hazards

Inhalation: Quartz/cristobalite : When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use. Although classified according to EC criteria, this product is exempt from labelling according to article 23 and Annex 1 (section 1.3.4.1) of regulation (CE) n°1272/2008.



- 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

Chemical compounds containing silicon - hydrogen bonds (SiH). This product may generate hydrogen gas. For further information, refer to section 10: "Stability and Reactivity". Meets vPvB criteria

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Mixture of Polyorganosiloxanes, fillers, additives.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Quartz	10 - <20%	14808-60-7	238-878-4	Exempt	No data available.	#
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).

Classification

Chemical name	Classification	Notes
Quartz	STOT RE 1 H372;	No data available.
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.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur. Contaminated 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.

SECTION 5: Firefighting measures

General Fire Hazards: No specific recommendations.

5.1 Extinguishing media

Suitable extinguishing media: Foam. Powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire. Alkaline powders.

5.2 Special hazards arising from the substance or mixture:

This product may generate hydrogen gas. Vapors may form explosive mixtures with air. For further information, refer to section 10: "Stability and Reactivity".

5.3 Advice for firefighters

Special fire fighting 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. Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep away from Alkalies and caustic products. Eliminate all sources of ignition.

6.1.2 For emergency responders: No data available.

6.2 Environmental Precautions: Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Mechanically ventilate the spillage area to prevent the formation of explosive concentrations.



- 6.3 Methods and material for containment and cleaning up:** Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Suitable containers: equipped with a degassing device. Absorb with sand or other inert absorbent. Do NOT use products which are basic. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water.
- 6.4 Reference to other sections:** Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:** Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with Incompatible materials. For further information, refer to section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container. equipped with a degassing device. Suitable containers: polyethylene. Steel drums coated with epoxy-resin.
- 7.3 Specific end use(s):** No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters Occupational Exposure Limits

Quartz/cristobalite : When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use.

8.2 Exposure controls

Appropriate Engineering Controls: Avoid inhalation of vapors and spray mists.

Individual protection measures, such as personal protective equipment

General information: Provide sufficient ventilation during operations which cause vapor formation.

Eye/face protection: Safety Glasses.

Skin protection

Hand Protection: Material: Nitrile.
Material: Polyvinyl chloride (PVC).
Material: Rubber or plastic.

Other: It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.

Respiratory Protection: No specific precautions.

Hygiene measures: Provide eyewash station and safety shower.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties



9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Viscous
Color:	Black
Odor:	Odorless
Odor Threshold:	No data available.
pH:	Not applicable
Freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 200 °C (Closed cup according to method ASTM D56.)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	74 %(V) Hydrogen.
Flammability Limit - Lower (%):	4 %(V) Hydrogen.
Vapor pressure:	< 0,1 hPa (20 °C)
Vapor density (air=1):	No data available.
Density:	Approximate 1,2 kg/dm ³ (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:	5 000 mm ² /s (20 °C)
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

9.2 Other information: No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No other information noted.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	This product may generate hydrogen gas.
10.4 Conditions to avoid:	No other information noted.
10.5 Incompatible Materials:	A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with : Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.
Quantity of hydrogen potentially released (l/kg of product): <5

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

11.1 Information on toxicological effects:

Acute toxicity:

Oral:

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

Dermal:

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

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 - vapor): $\geq 2,42$ mg/l
NOAEL (Rat, Dermal): $\geq 1\ 600$ mg/kg

Dodecamethylcyclohexasiloxane
NOAEL (Rat, Oral): $\geq 1\ 000$ mg/kg Method: OECD 422
NOAEL (Rat, Inhalation - vapor): 0,0182 mg/l Method: OECD 413

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 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): $\geq 1\ 000$ mg/kg NOAEL (F1): $\geq 1\ 000$ mg/kg NOAEL (F2): Method: OECD 422

**Developmental toxicity
(Teratogenicity):**

Product: Composition/information on ingredients

Specified substance(s):
Dodecamethylcyclohexasiloxane
Rabbit NOAEL (terato): $\geq 1\ 000$ mg/kg NOAEL (mater): $\geq 1\ 000$ mg/kg Method: OECD 414 Rat NOAEL (terato): $\geq 1\ 000$ mg/kg NOAEL (mater): $\geq 1\ 000$ 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.

SECTION 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.

Specified substance(s):
Decamethylcyclopentasiloxane NOEC (Oncorhynchus mykiss, 90 d): $\geq 0,014$ mg/l

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:

Product: Composition/information on ingredients

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:

Product: Composition/information on ingredients

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.

SECTION 13: Disposal considerations

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. Waste of this material should not be mixed with other waste. Provide measures such as vented bungs to ensure pressure relief in the waste container.

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.

SECTION 14: Transport information

This material is not subject to transport regulations.

Other information: Warning Packaging with a breathing/venting bung are FORBIDDEN for transport by air.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

SECTION 15: Regulatory information

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

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.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	Not in compliance with the inventory.

SECTION 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 the H-statements in section 2 and 3

H372

Causes damage to organs through prolonged or repeated exposure.

Training information:

No data available.

Issue Date:

20.12.2018

SDS No.:

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.