



SAFETY DATA SHEET

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

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

1.1. Product identifier

Product name	DOWSIL EL 9048 SILICONE ELASTOMER BLEND
Product number	47453
Synonyms; trade names	DOW CORNING 9048 SILICONE ELASTOMER BLEND
REACH registration notes	This product is not classified as hazardous, the information in this datasheet is given for guidance only.

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

Identified uses	Cosmetics
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1.3. Details of the supplier of the safety data sheet

Supplier	Univar Solutions UK Ltd Aquarius House 6 Mid Point Business Park Bradford BD3 7AY +44 1274 267300 +44 1274 267306 SDS.EMEA@univarsolutions.com
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1.4. Emergency telephone number

Emergency telephone	SGS - +32 (0)3 575 55 55 (24h)
Sds No.	47453

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

Hazard statements	NC Not Classified
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2.3. Other hazards

This product contains a substance classified as PBT. This product contains a substance classified as vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

DECAMETHYLCYCLOPENTASILOXANE		>=80.0 - <=88.0%
CAS number: 541-02-6	EC number: 208-764-9	REACH registration number: 01-2119511367-43-XXXX

Classification
Not Classified

DODECAMETHYLCYCLOHEXASILOXANE		>=0.4194 - <=3.2536%
CAS number: 540-97-6	EC number: 208-762-8	REACH registration number: 01-2119517435-42-XXXX

Classification
Not Classified

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

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

General information	Wear protective clothing as described in Section 8 of this safety data sheet.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if any discomfort continues.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

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

Eye contact	May cause temporary eye irritation.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Extinguish with the following media: Alcohol-resistant foam. Dry chemicals, sand, dolomite etc.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	May travel considerable distance to source of ignition and flash back. When heated and in case of fire, toxic vapours/gases may be formed. The product increases the risk of fire and may accelerate combustion. Vapours may form explosive mixtures with air.
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DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Formaldehyde Oxides of the following substances: Silicon. Carbon.
<u>5.3. Advice for firefighters</u>	
Protective actions during firefighting	No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Do not use water jet as an extinguisher, as this will spread the fire. Contain and collect extinguishing water. Avoid the spillage or runoff entering drains, sewers or watercourses. Evacuate area.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Use only non-sparking tools. Absorb spillage with inert, damp, non-combustible material. Use water spray to reduce vapours. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Container must be kept tightly closed when not in use. Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges. Avoid spilling. Avoid release to the environment. Observe good chemical hygiene practices. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Only store in correctly labelled containers. Container must be kept tightly closed when not in use. Avoid heat, flames and other sources of ignition. Store away from the following materials: Strong oxidising agents. Explosive Class 2: Gases.
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7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Occupational exposure limits

DECAMETHYLCYCLOPENTASILOXANE

Long-term exposure limit (8-hour TWA): SUP 10 ppm

Ingredient comments

Observe any occupational exposure limits for the product or ingredients.

DECAMETHYLCYCLOPENTASILOXANE (CAS: 541-02-6)

DNEL

Workers - Inhalation; Short term systemic effects: 97.3 mg/m³
 Workers - Inhalation; Short term local effects: 24.2 mg/m³
 Workers - Inhalation; Long term systemic effects: 97.3 mg/m³
 Workers - Inhalation; Long term local effects: 24.2 mg/m³
 Consumer - Inhalation; Short term systemic effects: 17.3 mg/m³
 Consumer - Inhalation; Short term local effects: 4.3 mg/m³
 Consumer - Inhalation; Long term systemic effects: 17.3 mg/m³
 Consumer - Inhalation; Long term local effects: 4.3 mg/m³
 Consumer - Oral; Short term systemic effects: 5 mg/kg/day
 Consumer - Oral; Long term systemic effects: 5 mg/kg/day

PNEC

- Fresh water; >0.0012 mg/l
 - marine water; >0.00012 mg/l
 - Sediment (Freshwater); 2.4 mg/kg
 - Sediment (Marinewater); 0.24 mg/kg
 - Soil; 1.1 mg/kg
 - STP; >10 mg/l

DODECAMETHYLCYCLOHEXASILOXANE (CAS: 540-97-6)

DNEL

Workers - Inhalation; Long term systemic effects: 11 mg/m³
 Workers - Inhalation; Short term local effects: 6.1 mg/m³
 Workers - Inhalation; Long term local effects: 1.22 mg/m³
 Consumer - Inhalation; Long term systemic effects: 2.7 mg/m³
 Consumer - Inhalation; Short term local effects: 1.5 mg/m³
 Consumer - Inhalation; Long term local effects: 0.3 mg/m³
 Consumer - Oral; Short term systemic effects: 1.7 mg/kg/day
 Consumer - Oral; Long term systemic effects: 1.7 mg/kg/day

PNEC

- Sediment (Freshwater); 2.826 mg/kg
 - Sediment (Marinewater); 0.282 mg/kg
 - Soil; 3.336 mg/kg
 - STP; >1.0 mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. Organic vapour filter. Gas filter, type A EN 136/140/141/145/143/149

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Light. Yellow.
Odour	Slight.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	> 35°C @ 760 mm Hg
Flash point	85°C Setaflash closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.94
Bulk density	No information available.
Solubility(ies)	No information available.

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	40000 mm ² /s @ 25°C
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information available.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	The following materials may react with the product: Strong oxidising agents. Vapours may form explosive mixtures with air. Combustible liquid.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Oxidising agents. Explosive Class 2: Gases.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Formaldehyde Oxides of the following substances: Silicon. Carbon.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD ₅₀)	This product has low toxicity. Not determined. Information given is applicable to the major ingredient. LD ₅₀ > 5000 mg/kg, Oral, Rat Estimated value.
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Acute toxicity - dermal

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Notes (dermal LD₅₀)	Not determined. Information given is applicable to the major ingredient. LD ₅₀ > 2000 mg/kg, Dermal, Rabbit Estimated value.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	Not determined.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Information given is applicable to the major ingredient. Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Information given is applicable to the major ingredient. Not irritating.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No information available.
<u>Skin sensitisation</u>	
Skin sensitisation	Information given is applicable to the major ingredient. Not sensitising. Mouse
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Does not contain any substances known to be mutagenic.
<u>Carcinogenicity</u>	
Carcinogenicity	Results from a 2 year repeated vapour inhalation exposure study to rats of decamethylcyclopentasiloxane (D5) indicate effects (uterine endometrial tumors) in female animals. This finding occurred at the highest exposure dose (160 ppm) only. Studies to date have not demonstrated if this effect occurs through a pathway that is relevant to humans.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Information given is applicable to the major ingredient. No evidence of reproductive toxicity in animal studies.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Based on available data the classification criteria are not met. Not classified as a specific target organ toxicant after repeated exposure.
<u>Aspiration hazard</u>	
Aspiration hazard	Based on available data the classification criteria are not met.
<u>Inhalation</u>	
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
<u>Ingestion</u>	
Ingestion	May cause discomfort if swallowed.
<u>Skin contact</u>	
Skin contact	Skin irritation should not occur when used as recommended.
<u>Eye contact</u>	
Eye contact	May cause temporary eye irritation.

Toxicological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 24134 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rabbit

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Acute toxicity - inhalation

Acute toxicity inhalation
(LC₅₀ dust/mist mg/l) 8.67

Species Rat

Notes (inhalation LC₅₀) LC₅₀ 8.67 mg/l, Inhalation, Dust/Mist, Rat

ATE inhalation
(dusts/mists mg/l) 8.67

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative.

Genotoxicity - in vivo DNA damage and/or repair: Negative.

Carcinogenicity

Carcinogenicity Results from a 2 year repeated vapour inhalation exposure study to rats of decamethylcyclotetrasiloxane (D5) indicate effects (uterine endometrial tumors) in female animals. This finding occurred at the highest exposure dose (160 ppm) only. Studies to date have not demonstrated if this effect occurs through a pathway that is relevant to humans.

Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

Reproductive toxicity - development No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOAEL 200 mg/kg, Dermal, NOAEL 100 mg/kg, Oral, LOAEL 125 mg/kg, ,

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact Vapour or spray in the eyes may cause irritation and smarting.

DODECAMETHYLCYCLOHEXASILOXANE

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rabbit

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

DECAMETHYLCYCLOPENTASILOXANE

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

DODECAMETHYLCYCLOHEXASILOXANE

Ecotoxicity The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Toxicity Not toxic at limit of water solubility.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: >16 µg/l, Oncorhynchus mykiss (Rainbow trout)
Not toxic at limit of water solubility.

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >2.9 mg/l, Daphnia magna
OECD 202
Not toxic at limit of water solubility.

Acute toxicity - aquatic plants ErC₅₀, 96 hours: > 0.012 mg/l, Pseudokirchneriella subcapitata
Not toxic at limit of water solubility.

NOEC, 96 hours: 0.012 mg/l, Pseudokirchneriella subcapitata
Not toxic at limit of water solubility.

Acute toxicity - terrestrial NOEC, : >= 76 mg/kg, Eisenia Fetida (Earthworm)

Chronic aquatic toxicity

Chronic toxicity - fish early life stage Not toxic at limit of water solubility.
LC₅₀, 14 day: >16 mg/l, Oncorhynchus mykiss (Rainbow trout)

Not toxic at limit of water solubility.
NOEC, 45 day: >= 0.017 mg/l, Oncorhynchus mykiss (Rainbow trout)

Not toxic at limit of water solubility.
NOEC, 90 day: >= 0.014 mg/l, Oncorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.015 mg/l, Daphnia magna
OECD 211

DODECAMETHYLCYCLOHEXASILOXANE

Acute aquatic toxicity

Acute toxicity - aquatic plants ErC₅₀, 72 hour: > 0.002 mg/l, Pseudokirchneriella subcapitata
Not toxic at limit of water solubility.

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 21 day: 0.0046 mg/l, Daphnia magna
Not toxic at limit of water solubility.

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Persistence and degradability	Not readily biodegradable.
Biodegradation	- Degradation 0.14%: 28 days (OECD 310)

DODECAMETHYLCYCLOHEXASILOXANE

Persistence and degradability	The product is not readily biodegradable.
Biodegradation	- Degradation 57%: 28 days OCED 301B

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Bioaccumulative potential	BCF: > 500, Pimephales promelas (Fat-head Minnow) BCF: 2010, Fish Estimated value.
Partition coefficient	log Pow: 5.2

DODECAMETHYLCYCLOHEXASILOXANE

Bioaccumulative potential	Bioaccumulation is unlikely.
Partition coefficient	log Pow: 8.87

12.4. Mobility in soil

Mobility Not determined.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Mobility	Not considered mobile.
Adsorption/desorption coefficient	- Koc: > 5000 @ 20°C Estimated value.

DODECAMETHYLCYCLOHEXASILOXANE

Mobility	Mobile.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product contains a substance classified as PBT. This product contains a substance classified as vPvB.

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Results of PBT and vPvB assessment

Decamethylcyclopentasiloxane (D5) meets the current REACH Annex XIII criteria for vPvB. However, D5 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D5 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms. Based on an independent scientific panel of experts, the Canadian Minister of the Environment has concluded that "D5 is not entering the environment in a quantity or concentration or under conditions that have or may have an immediate or long-term harmful effect on the environment or its biological diversity, or that constitute or may constitute a danger to the environment on which life depends".

DODECAMETHYLCYCLOHEXASILOXANE

Results of PBT and vPvB assessment

Dodecamethyl cyclohexasiloxane (D6) meets the current REACH Annex XIII criteria for vPvB. However, D6 does not behave similarly to known PBT/vPvB substances. The weight of scientific evidence from field studies shows that D6 is not biomagnifying in aquatic and terrestrial food webs. D6 in air will degrade by reaction with naturally occurring hydroxyl radicals in the atmosphere. Any D6 in air that does not degrade by reaction with hydroxyl radicals is not expected to deposit from the air to water, to land, or to living organisms.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

DECAMETHYLCYCLOPENTASILOXANE

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Do not puncture or incinerate, even when empty. Waste should be treated as controlled waste.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

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) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Restrictions (Annex XVII Regulation 1907/2006)

This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES. Entry number: 70

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
 CAS: Chemical Abstracts Service.
 DNEL: Derived No Effect Level.
 IATA: International Air Transport Association.
 IMDG: International Maritime Dangerous Goods.
 Kow: Octanol-water partition coefficient.
 LC₅₀: Lethal Concentration to 50 % of a test population.
 LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
 PBT: Persistent, Bioaccumulative and Toxic substance.
 PNEC: Predicted No Effect Concentration.
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
 vPvB: Very Persistent and Very Bioaccumulative.
 IARC: International Agency for Research on Cancer.
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
 cATpE: Converted Acute Toxicity Point Estimate.
 BCF: Bioconcentration Factor.
 BOD: Biochemical Oxygen Demand.
 EC₅₀: 50% of maximal Effective Concentration.
 LOAEC: Lowest Observed Adverse Effect Concentration.
 LOAEL: Lowest Observed Adverse Effect Level.
 NOAEC: No Observed Adverse Effect Concentration.
 NOAEL: No Observed Adverse Effect Level.
 NOEC: No Observed Effect Concentration.
 LOEC: Lowest Observed Effect Concentration.
 DMEL: Derived Minimal Effect Level.
 EL50: Exposure Limit 50
 hPa: Hectopascal
 LL50: Lethal Loading fifty
 OECD: Organisation for Economic Co-operation and Development
 POW: Octanol-water partition coefficient
 SCBA: self-contained breathing apparatus
 STP: Sewage Treatment Plant
 VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
 Aquatic Acute = Hazardous to the aquatic environment (acute)
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

10/12/2019

Version number

3.000

Supersedes date

05/12/2019

SDS number

47453

DOWSIL EL 9048 SILICONE ELASTOMER BLEND

SDS status

Approved.

Signature

Lisa Bland