

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

### 1.1. Product identifier

Product form	: Mixture
Trade name	: SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML
UFI	: SQA1-DJ91-2X1P-AS3K
Product code	: 210104250
Product group	: Blend

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

#### 1.2.1. Relevant identified uses

Main use category	: Professional use
Use of the substance/mixture	: Coatings

#### 1.2.2. Uses advised against

No additional information available

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

Glue-U Adhesives B.V.  
Droogdokkeneiland 8  
5026 SR Tilburg - Nederland  
T 013 - 545 3118  
[sales@glue-u.com](mailto:sales@glue-u.com)

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Not classified

#### Adverse physicochemical, human health and environmental effects

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements	: EUH210 - Safety data sheet available on request.
Extra phrases	: This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

### 2.3. Other hazards

Other hazards which do not result in classification : This substance / mixture contains components considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

Contains PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

# SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Component	
DODECAMETHYLCYCLOHEXASILOXANE (540-97-6)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII
DECAMETHYLCYCLOPENTASILOXANE (541-02-6)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII
OCTAMETHYLCYCLOTETRAASILOXANE (556-67-2)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Component	
DODECAMETHYLCYCLOHEXASILOXANE(540-97-6)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
DECAMETHYLCYCLOPENTASILOXANE(541-02-6)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
OCTAMETHYLCYCLOTETRAASILOXANE(556-67-2)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

No data available

### 3.2. Mixtures

Comments : Addition cross-linking silicone polymer, contains hydrogen functional polysiloxane

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DODECAMETHYLCYCLOHEXASILOXANE substance listed as REACH Candidate (Dodecamethylcyclohexasiloxane (D6)) PBT substance; vPvB substance	CAS-No.: 540-97-6 EC-No.: 208-762-8 REACH-no: 01-2119517435-42	0.1 – 1	Not classified
DECAMETHYLCYCLOPENTASILOXANE substance listed as REACH Candidate (Decamethylcyclopentasiloxane (D5)) PBT substance; vPvB substance	CAS-No.: 541-02-6 EC-No.: 208-764-9 REACH-no: 01-2119511367-43	0.1 – 1	Not classified
OCTAMETHYLCYCLOTETRAASILOXANE substance listed as REACH Candidate (Octamethylcyclotetrasiloxane (D4)) PBT substance; vPvB substance	CAS-No.: 556-67-2 EC-No.: 209-136-7 EC Index-No.: 014-018-00-1 REACH-no: 01-2119529238-36	0.1 – 0.25	Flam. Liq. 3, H226 Repr. 2, H361f Aquatic Chronic 4, H413

# SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Take off immediately all contaminated clothing. If possible show him this sheet. Failing this, show him the packaging or label.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. If symptoms persist call a doctor.
First-aid measures after skin contact	: In case of skin contact, remove the product residues with a cloth or a piece of paper. Wash immediately with plenty of soap and water. If symptoms persist, call a physician.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse thoroughly and plentifully with water, also under the eyelids. If eye irritation persists and/or symptoms, obtain medical attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

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

Symptoms/effects	: No characteristic features and effects known.
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#### 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 spray jet. Carbon dioxide. dry powder. foam.
Unsuitable extinguishing media	: Do not use a heavy water stream. Alkaline extinguishing powder.

#### 5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire	: Hazardous decomposition products in case of fire.
Hazardous decomposition products in case of fire	: Silicon oxide. Carbon dioxide.

#### 5.3. Advice for firefighters

Protection during firefighting	: Wear gas tight chemically protective clothing in combination with self contained breathing apparatus.
Other information	: In case of fire and/or explosion do not breathe fumes. Cool containers / tanks with spray water if possible. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources.
<b>6.1.1. For non-emergency personnel</b>	
Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Caution : this product can cause the floor to be very slippery.

#### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Do not allow to enter sewers, surface or groundwater. Ensure all national/local regulations are observed.

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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean contaminated surface thoroughly. Comply with local regulations for disposal. Do not use a basic chemistry binder.

### 6.4. Reference to other sections

Stable under recommended handling and storage conditions (see section 7). Concerning personal protective equipment to use, see section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Due to the risk of decomposition, keep contaminants of any kind (especially heavy metals) and alkalis at a distance. Do not keep the container sealed.

Precautions for safe handling : Provide good extraction / ventilation of the workplace. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Prevent aerosol formation. Product can split off hydrogen. Use water spray to cool unopened containers.

Hygiene measures : Do not get in eyes, on skin, or on clothing. Do not breathe vapour/aerosol. Remove/Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Due to the risk of decomposition, keep contaminants of any kind (especially heavy metals) and alkalis at a distance.

Storage conditions : Protect against humidity and water. Do not keep the container sealed. Only store in a container with a degassing valve. Suitable material for tanks and pipelines: Plastics, coated steels. Unsuitable material for tanks and pipelines: Uncoated metal.

Incompatible materials : Acids, alkalis and oxidizing agent. aldehyde.

Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 7.3. Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

#### SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

#### EU - Indicative Occupational Exposure Limit (IOEL)

Contains no substances with occupational exposure limits.

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

#### OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

#### DNEL/DMEL (Workers)

Acute - systemic effects, inhalation	73 mg/m <sup>3</sup>
Acute - local effects, inhalation	73 mg/m <sup>3</sup>

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<b>OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)</b>	
Long-term - systemic effects, inhalation	73 mg/m <sup>3</sup>
Long-term - local effects, inhalation	73 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, inhalation	13 mg/m <sup>3</sup>
Acute - systemic effects, oral	3.7 mg/kg bodyweight
Acute - local effects, inhalation	13 mg/m <sup>3</sup>
Long-term - systemic effects, oral	3.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	13 mg/m <sup>3</sup>
Long-term - local effects, inhalation	13 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.44 µg/L
PNEC aqua (marine water)	0.044 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0.59 mg/kg dwt
PNEC sediment (marine water)	0.059 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.15 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	41 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	10 mg/l

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide good extraction / ventilation of the workplace.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. EN 166

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing. EN 14605

##### Hand protection:

Fluorinated rubber. Breakthrough time : 30 - < 60 min. Layer thickness : > 0,7 mm. Class 2. The breakthrough times obtained according to EN 374 Part III are not determined under normal operating conditions. Therefore, a maximum usage time of 50% of the break through time is recommended. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer.

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### 8.2.2.3. Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Combination filter A / P (EN 141). If this product is handled by spray application, respiratory protection is necessary

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Yellow.
Appearance	: Paste.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: No available data
Freezing point	: Not available
Boiling point	: No available data
Flammability	: Not available
Oxidising properties	: No data available.
Explosive limits	: Not available
Lower explosive limit (LEL)	: 4 vol % Hydrogen
Upper explosive limit (UEL)	: 74 vol % Hydrogen
Flash point	: > 100 °C
Auto-ignition temperature	: 560 °C Hydrogen
Decomposition temperature	: > 200 °C
pH	: Not applicable.
Viscosity, kinematic	: Not available
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: Not applicable.
Vapour pressure	: < 100 hPa (20 °C)
Vapour pressure at 50 °C	: Not available
Density	: 1.08 g/cm <sup>3</sup> ( 20 °C)
Relative density	: Not available
Relative vapour density at 20 °C	: Not applicable.
Particle size	: No data available
Particle size distribution	: No data available
Particle shape	: No data available
Particle aspect ratio	: No data available
Particle aggregation state	: No data available
Particle agglomeration state	: No data available
Particle specific surface area	: No data available
Particle dustiness	: No data available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Relative evaporation rate (ethanol=1)	: Not applicable.
Specific conductivity	: Not determined.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under recommended storage conditions.

#### 10.2. Chemical stability

Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

May generate flammable hydrogen gas. Avoid contact with: water, alcohols, acids, bases & oxidising compounds. Potential exothermic hazard.

#### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 10.5. Incompatible materials

alcohols. Acids. bases. Aldehydes. Oxidisable materials. Due to the risk of decomposition, keep contaminants of any kind (especially heavy metals) and alkalis at a distance.

#### 10.6. Hazardous decomposition products

Hydrogen.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met

SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML	
LD50 oral rat	> 2000 mg/kg Conclusion by analogy
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)	
LD50 oral rat	4800 mg/kg Method : OECD 401
LD50 dermal rat	> 2400 mg/kg
LC50 Inhalation - Rat	36 mg/l/4h Method : OECD 403 Source : GESTIS
DECAMETHYLCYCLOPENTASILOXANE (541-02-6)	
LD50 oral	> 5000 mg/kg (rat) (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg Method : OECD 402
LC50 Inhalation - Rat	8.67 mg/l/4h Method : OECD 403

Skin corrosion/irritation	: Repeated or prolonged contact may cause skin irritation pH: Not applicable.
Serious eye damage/irritation	: Contact with the eyes is likely to be irritating pH: Not applicable.
Respiratory or skin sensitisation	: No sensitizing reactions observed
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
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
Aspiration hazard	: Based on available data, the classification criteria are not met

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### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: The experimental information related to the eco-toxicological properties of the product itself is not available.
Hazardous to the aquatic environment, short-term (acute)	: No additional information available
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

LC50 - Fish [1]	> 0.022 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	0.015 mg/l Daphnia magna (Water flea)

#### DECAMETHYLCYCLOPENTASILOXANE (541-02-6)

LC50 - Fish [1]	> 16 µg/l Oncorhynchus mykiss (rainbow trout) flow-through system (oecd 204 method)
EC50 - Crustacea [1]	> 2,9 µg/l Daphnia magna (Water flea)(OECD 202 method)NOEC
EC50 - Other aquatic organisms [1]	> 2000 mg/l sewage sludge 3h, static test
EC50 96h - Algae [1]	Pseudokirchneriella subcapitata > 12 µg/l (OECD 201 method)
NOEC chronic fish	> 14 µg/l, 90d Oncorhynchus mykiss (Rainbow trout) (OECD 210 method)
NOEC chronic crustacea	> 15 µg/l, 21d Daphnia magna (Water flea)semi-static test (OECD 211 method)
Additional information	No additional information available

### 12.2. Persistence and degradability

#### SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

Persistence and degradability	No data is available with regard to biodegradability on the product itself. The product is insoluble and floats on water. Can be mechanically separated in a wastewater treatment plant.
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### 12.3. Bioaccumulative potential

#### SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

Partition coefficient n-octanol/water (Log Pow)	Not applicable.
Bioaccumulative potential	not bioaccumulable.

#### OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

BCF - Fish [1]	12400 Pimephales promelas (48h, 28d)
Partition coefficient n-octanol/water (Log Pow)	5.1

#### DECAMETHYLCYCLOPENTASILOXANE (541-02-6)

Partition coefficient n-octanol/water (Log Pow)	8.023
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### 12.4. Mobility in soil

#### SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

Ecology - soil	Absorbs to soil after release.
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### 12.5. Results of PBT and vPvB assessment

#### SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

Results of PBT assessment	This substance / mixture contains components considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB)
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#### Component

DODECAMETHYLCYCLOHEXASILOXANE (540-97-6)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII
DECAMETHYLCYCLOPENTASILOXANE (541-02-6)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII
OCTAMETHYLCYCLOTETRAASILOXANE (556-67-2)	This substance meets the PBT criteria of REACH regulation, annex XIII This substance meets the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Since the product is not water soluble, ecological data such as e.g. biodegradability, COD and BOD5 values cannot be determined analytically. According to the current state of our knowledge, the product does not contain any heavy metals and compounds of the EC Directive 2000/60 EC

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA /

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
Not regulated	Not regulated	Forbidden
<b>14.2. UN proper shipping name</b>		
Not regulated	Not regulated	Forbidden
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Forbidden
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Forbidden
<b>14.5. Environmental hazards</b>		
Not regulated	Not regulated	Forbidden

Not classified as dangerous in the meaning of transport regulations, The transport classifications given herein are for information only and based solely on the properties of the unpackaged material as described in this safety data sheet, Transport classifications can vary with regard to the mode of transport, the size of the packaging and differences in regional / resp. national regulations

### 14.6. Special precautions for user

Special transport precautions : Refer to section 6-8

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### Overland transport

Not regulated

### Transport by sea

Not regulated

### Air transport

Forbidden

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

IBC code : No data available.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration  $\geq 0.1\%$  or with a lower specific limit: Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6), Octamethylcyclotetrasiloxane (D4) (EC 209-136-7, CAS 556-67-2), Decamethylcyclopentasiloxane (D5) (EC 208-764-9, CAS 541-02-6)

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations : No additional information available.

#### 15.1.2. National regulations

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK: 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Storage class (LGK, TRGS 510) : LGK 10 - Combustible liquids

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – : OCTAMETHYLCYCLOTETRAILOXANE is listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### 15.2. Chemical safety assessment

Chemical Safety Assessment not required.

## SECTION 16: Other information

### Indication of changes:

This sheet has been revised completely (changes were not marked).

### Abbreviations and acronyms

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods

# SHUFILL SILICONE YELLOW SHORE A40 FIRM (B) 250 ML

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Abbreviations and acronyms	
LD50	Dose leading to death in 50% of a test population (median lethal dose)
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
vPvB	Very Persistent and Very Bioaccumulative
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS-No.	Chemical Abstract Service number
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
EC-No.	European Community number
EN	European Standard
SDS	Safety Data Sheet
WGK:	Water Hazard Class
PNEC	Predicted No-Effect Concentration
DNEL	Derived-No Effect Level
STP	Sewage treatment plant

### Data sources

: Information from our suppliers, such as data from "Registered Substances Database" of the European Chemicals Agency (ECHA) is used to compile the safety data sheet. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. These data are based on the current state of our knowledge. However, they do not provide a guarantee of product properties and do not establish a contractual legal relationship. Classification procedure: . Physical and Chemical Properties: Classification is based on the results of the mixtures tested. Health and Environmental Hazards: The method for classifying mixtures based on the components of the mixture (sum formula).

### Training advice

: Based on the data in the safety data sheet and the workplace regulations, the employees should receive regular training on the use of the products. National regulations for further training on the use of hazardous products for workers should be observed.

Full text of H- and EUH-statements	
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
H226	Flammable liquid and vapour.
H361f	Suspected of damaging fertility.
H413	May cause long lasting harmful effects to aquatic life.
EUH210	Safety data sheet available on request.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.