



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 25.06.2018

### 1.1. Product identifier

Product name Shuffleboard Silicone

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

Use of the substance / preparation Silicone Spray to the playing field on shuffleboard.  
Aerosol.

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

#### Importer

Company name European Shuffleboard AS  
Office address Lybekkergata 2  
Postal address c/o Mailboxes etc, Postboks 105, 0028 OSLO  
Postcode 0184  
City Oslo  
Country Norway  
Telephone number +47 47483353  
Email [post@europeanshuffleboard.com](mailto:post@europeanshuffleboard.com)  
Website <https://www.europeanshuffleboard.com/>  
Enterprise No. 998067049

### 1.4. Emergency telephone number

Emergency telephone Telephone number: +44 08 45 46 47  
Description: NHS Direct (UK)  
  
Telephone number: 112  
Description: United Kingdom

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222 Aerosol 1; H229 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Substance / mixture hazardous properties	Aerosol cans of extremely flammable contents. Pressurized container: May explode when heated. Causes skin irritation. May cause drowsiness or dizziness. Very toxic to aquatic life with long lasting effects. May be fatal if swallowed and enters airways.
Additional information on classification	Substances and mixtures classified as hazardous because of the risk of aspiration (H304) need not be marked for this when this type of chemicals are sold in aerosol containers or in containers fitted with a sealed spray attachment.

### 2.2. Label elements

#### Hazard pictograms (CLP)



Composition on the label	Heptane $\geq 70 \leq 80$ %
Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. P210 Keep away from heat / sparks / open flames / hot surfaces. – No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P391 Collect spillage. P405 Store locked up. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F. P501 Dispose of contents / container to godkjent avfallsmottak.

### 2.3. Other hazards

PBT / vPvB

Data lacking.

Physicochemical effects

The vapours are heavier than air and will spread along the floor. Can form explosive gas-air mixtures.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Heptane	CAS No.: 142-82-5 EC No.: 205-563-8 Index No.: 601-008-00-2	Flam. Liq. 2; H225; Asp. tox. 1; H304; Skin Irrit. 2; H315; STOT SE 3; H336; Aquatic Acute 1; H400; M-factor 1; Aquatic Chronic 1; H410; M-factor 1;	$\geq 70 \leq 80 \%$	
Propane	CAS No.: 74-98-6 EC No.: 200-827-9 Index No.: 601-003-00-5	Flam. Gas 1; H220; Press. Gas (Comp.) ;	$\geq 10 \leq 20 \%$	
Butane	CAS No.: 106-97-8 EC No.: 203-448-7 Index No.: 601-004-00-0	Flam. Gas 1; H220; Press. Gas (Comp.) ;	$\geq 1 \leq 5 \%$	

Substance comments

For substances without REACH registration number in section 3.2, no information has been provided by the subcontractor or manufacturer.  
See section 16 for explanation of hazard statements (H) listed above.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General

Emergency telephone number: see section 1.4.  
In case of unconsciousness or severe accidents, call 112.

Inhalation

Fresh air and rest. Contact physician if symptoms persist.

Skin contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. By prolonged rinsing, use luke warm water to avoid damage to the eye. Get medical attention if any discomfort continues.

Ingestion

Not likely. Give some cream or vegetable oil. Do not induce vomiting. Seek medical advice.

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

Acute symptoms and effects

Inhalation: Vapours may cause drowsiness and dizziness. The chemical may irritate the respiratory system and can cause itching, burning and coughing.  
Skin contact: The chemical irritates the skin and can cause itching, burning and redness.  
Eye contact: May cause temporary eye irritation.  
Ingestion: Mindre sannsynlig fordi kjemikaliet er pakket i aerosolbeholdere.

Delayed symptoms and effects	Prolonged and repeated skin contact will cause defatting and possible irritation. Risk of chemical pneumonia (pneumonitis) if aspirated during and after ingestion.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Other information	Treat symptomatically. No specific information from the manufacturer.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Water spray, fog or mist. Foam.
Improper extinguishing media	Do not use water jet.

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

Fire and explosion hazards	Extremely flammable. Aerosol containers can explode when heated, due to excessive pressure build-up. May form explosive gas/air mixtures. Vapours are heavier than air and may spread near ground to sources of ignition.
Hazardous combustion products	May include, but is not limited to: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

### 5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
Other information	Containers close to fire should be removed immediately or cooled with water.

## SECTION 6: Accidental release measures

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

Personal protection measures	Provide adequate ventilation. Use protective equipment as referred to in section 8. Do not smoke or use open fire, or other sources of ignition. Avoid inhalation of vapours and aerosols and contact with skin and eyes.
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### 6.2. Environmental precautions

Environmental precautionary measures	Do not allow to enter into sewer, water system or soil.
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### 6.3. Methods and material for containment and cleaning up

Clean up	Aerosol cans are collected mechanically. Remove ignition sources and work with non-sparking tools. Absorb in vermiculite, dry sand or earth and place into containers. Collect in a suitable container and dispose as hazardous waste according to section 13.
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### 6.4. Reference to other sections

Other instructions	See also sections 8 and 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Provide adequate ventilation. Use protective equipment as referred to in section 8. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid contact with eyes and skin. Avoid inhalation of vapours and spray mists.
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### Protective safety measures

Safety measures to prevent fire	Take precautionary measures against static discharges. Do not use near naked flames or glowing materials. Keep away from sources of ignition - No smoking.
Additional information	The vapours are heavier than air and will spread along the floor. Vapors may form explosive mixtures with air.
Advice on general occupational hygiene	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke during work. Wash contaminated clothing before reuse.

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

Storage	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from sunlight.
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### Conditions for safe storage

Advice on storage compatibility	Keep away from: Acids. Strong oxidizing agents. Food and feed.
Additional information on storage conditions	Store in accordance with regulations for flammable goods.
Storage temperature	Value: < 50 °C

### 7.3. Specific end use(s)

Specific use(s)	See section 1.2.
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## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Heptane	CAS No.: 142-82-5	Limit value (8 h) : 500 ppm Limit value (8 h) : 2085 mg/m <sup>3</sup>	
Butane	CAS No.: 106-97-8	Limit value (8 h) : 600 ppm Limit value (8 h) : 1450 mg/m <sup>3</sup> <b>Limit value (short term)</b> Value: 750 ppm <b>Limit value (short term)</b> Value: 1810 mg/m <sup>3</sup> <b>Exposure limit letter</b>	

Letter code: Carc

Other Information about threshold limit values

Explanation of the notations:  
 Carc = Capable of causing cancer and/or heritable genetic damage.  
 References (laws/regulations):  
 EH40/2005 Workplace exposure limits, with later amendments.

## 8.2. Exposure controls

### Safety signs



### Precautionary measures to prevent exposure

Technical measures to prevent exposure

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.

A risk assessment of the work place/work activities (the actual risk) may lead to other control measures. The protection equipments suitability and durability will depend on application.

### Eye / face protection

Eye protection equipment

Description: Wear tight-fitting goggles or face shield.  
 Reference to relevant standard: EN 166 (Personal eye-protection. Specifications).

Additional eye protection measures

Eye wash facilities should be at the work place. Either a fixed eye wash facility connected to the drinking water (preferably warm water) or a portable disposable unit.

### Hand protection

Suitable gloves type

Nitrile. Neoprene. Rubber (natural, latex).

Breakthrough time

Comments: Not specified by the manufacturer.

Thickness of glove material

Comments: Not specified by the manufacturer.

Hand protection equipment

Description: Use chemical resistant gloves. Glove thickness must be chosen in consultation with the glove supplier, who can inform about the breakthrough time for the glove. The gloves abilities may vary among the different glove manufacturers.

Reference to relevant standard: BS-EN 374 (Protective gloves against chemicals and micro-organisms). BS-EN 420 (Protective gloves. General requirements and test methods).

Additional hand protection measures

Replace gloves if signs of wear and tear.

### Skin protection

Recommended protective clothing

Description: Wear appropriate protective clothing to protect against skin contact.

Additional skin protection measures

Emergency shower should be available at the workplace.

## Respiratory protection

Recommended respiratory protection

Description: If ventilation is insufficient, use a respirator with AX filter against solvent vapours. Use filtercombination A/P2 by spraying or aerosol formation. Wear air-supplied mask in confined areas.  
Reference to relevant standard: EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking). EN 12083 (Respiratory protective devices. Filters with breathing hoses, (Non-mask mounted filters). Particle filters, gas filters, and combined filters. Requirements, testing, marking).

## Appropriate environmental exposure control

Environmental exposure controls Do not allow to enter into sewer, water system or soil. See also section 12.

## SECTION 9: Physical and chemical properties

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

Physical state	Aerosol. Fluid.
Colour	Colourless.
Odour	Solvent.
Odour limit	Comments: Not specified by the manufacturer.
pH	Comments: Not relevant.
Melting point / melting range	Comments: Not specified by the manufacturer.
Boiling point / boiling range	Comments: Not specified by the manufacturer.
Flash point	Value: -18 °C Comments: Liquid
Evaporation rate	Comments: Not specified by the manufacturer.
Flammability (solid, gas)	Not specified by the manufacturer.
Explosion limit	Comments: Not specified by the manufacturer.
Vapour pressure	Comments: Not specified by the manufacturer.
Vapour density	Comments: Not specified by the manufacturer.
Relative density	Value: 0,8
Solubility	Comments: Insoluble in water.
Partition coefficient: n-octanol/water	Comments: Not specified by the manufacturer.
Spontaneous combustability	Comments: Not specified by the manufacturer.
Decomposition temperature	Comments: Not specified by the manufacturer.
Viscosity	Comments: Not specified by the manufacturer.
Explosive properties	The chemical is not explosive, but may form explosive mixtures with air.

Oxidising properties Not specified by the manufacturer.

## 9.2. Other information

### Physical hazards

Content of VOC Value: 97 %

### Other physical and chemical properties

Comments No further information is available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity Vapors may form explosive mixtures with air. Reactive with the materials listed in Section 10.5.

### 10.2. Chemical stability

Stability The chemical is stable under normal conditions of storage and use.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Arise in contact with inappropriate conditions and incompatible materials (sections 10.4 and 10.5)

### 10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.  
Avoid exposing aerosol containers to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Materials to avoid Acids. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal conditions. See also section 5.2.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Other information regarding health hazards

Assessment of acute toxicity, classification Based on available data, the classification criteria are not met.

Assessment of skin corrosion / irritation, classification Irritating to skin.

Assessment of eye damage or irritation, classification Based on available data, the classification criteria are not met.



Assessment of respiratory sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of skin sensitisation, classification	Based on available data, the classification criteria are not met.
Assessment of germ cell mutagenicity, classification	Based on available data, the classification criteria are not met.
Assessment of carcinogenicity, classification	Based on available data, the classification criteria are not met.
Assessment of reproductive toxicity, classification	Based on available data, the classification criteria are not met.
Assessment of specific target organ toxicity - single exposure, classification	May cause drowsiness or dizziness. Classification: STOT SE 3: H336.
Assessment of specific target organ toxicity - repeated exposure, classification	Based on available data, the classification criteria are not met.
Assessment of aspiration hazard, classification	Substances and mixtures classified as hazardous because of the risk of aspiration (H304) need not be marked for this when this type of chemicals are sold in aerosol containers or in containers fitted with a sealed spray attachment.

## Symptoms of exposure

In case of ingestion	Not likely, due to the packaging. May cause irritation to the mouth and throat. Risk of chemical pneumonia (pneumonitis) if aspirated during and after ingestion.
In case of skin contact	Irritating and degreasing. Symptoms such as redness and itching of the skin may occur. Repeated exposure may cause skin dryness or cracking.
In case of inhalation	Vapours may cause drowsiness and dizziness. Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication. Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain.
In case of eye contact	May cause temporary eye irritation.

## SECTION 12: Ecological information

### 12.1. Toxicity

Aquatic toxicity, crustacean	Value: 0,64 mg/l Effect dose concentration : EC50 Exposure time: 48 hour(s) Species: Not known. Comments: Applies to 142-82-5. (Literature value)
Ecotoxicity	Very toxic to aquatic life with long lasting effects. The chemical itself has not been tested. The assessment is based on information about the ingredients.

### 12.2. Persistence and degradability

Persistence and degradability, comments	There are no data available on the chemical itself. Volatile substances are degraded in the atmosphere within a few days.
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### 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility Insoluble in water.

### 12.5. Results of PBT and vPvB assessment

PBT assessment results Data lacking.

vPvB evaluation results Data lacking.

### 12.6. Other adverse effects

Other adverse effects, comments Do not allow to enter into sewer, water system or soil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal Disposed of as hazardous waste by approved contractor. The waste code (EWC-Code) is intended as a guide. The code must be chosen by the user, if the use differs from the one mentioned below.

EWC waste code EWC waste code: 070104 other organicsolvents, washing liquids and mother liquors  
Classified as hazardous waste: Yes

EWL packing EWC waste code: 160504 gases in pressure containers (including halons) containing dangerous substances  
Classified as hazardous waste: Yes

Other information Do not puncture or incinerate even when empty. Do not empty into drains.

## SECTION 14: Transport information

Dangerous goods Yes

### 14.1. UN number

ADR/RID/ADN 1950

IMDG 1950

ICAO/IATA 1950

### 14.2. UN proper shipping name

Proper shipping name English AEROSOLS

ADR/RID/ADN

ADR/RID/ADN AEROSOLS

IMDG AEROSOLS

ICAO/IATA AEROSOLS, FLAMMABLE

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

ADR/RID/ADN 2.1

Classification code ADR/RID/ADN 5F

IMDG 2.1

ICAO/IATA 2.1

**14.4. Packing group**

Comments Not relevant.

**14.5. Environmental hazards**

IMDG Marine pollutant Yes

**14.6. Special precautions for user**

Special safety precautions for user Not specified by the manufacturer.

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

Transport in bulk (yes/no) Nei

Product name AEROSOLS, FLAMMABLE

**Additional information**

Hazard label ADR/RID/ADN 2.1

Hazard label IMDG 2.1

Hazard label ICAO/IATA 2.1

**ADR/RID Other information**

Tunnel restriction code (D)

Transport category 2

**IMDG Other information**

EmS F-D, S-U

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

References (laws/regulations)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP-regulation) with later amendments.
- Regulation (EC) No 1907/2006 on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments.
- The European Waste Catalogue (EWC)
- Dangerous Goods regulations
- Aerosol Dispensers Directive 75/324/EEC, including later amendments

## 15.2. Chemical safety assessment

Chemical safety assessment performed No

### SECTION 16: Other information

Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.
List of relevant H-phrases (Section 2 and 3)	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: May burst if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Aerosol 1; H222 Aerosol 1; H229 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Key literature references and sources for data	Suppliers Safety data sheet dated: 30.05.2015
Abbreviations and acronyms used	EC50: The effective concentration of substance that causes 50% of the maximum response PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative EWC: European Waste Code (a code from the EU's common classification system for waste) ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail IMDG: The International Maritime Dangerous Goods Code IATA: The International Air Transport Association ICAO: The International Civil Aviation Organisation
Information added, deleted or revised	New Safety Data Sheet.
Checking quality of information	This SDS is quality controlled by Kiwa Teknologisk Institutt in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2008.
Version	1
Prepared by	Kiwa Teknologisk Institutt, Norway by Sissel Rogstad