BOSS 614 Silicone Foam Release Spray
Safety Data Sheet

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Safety Data Sheet

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

1.1. Product identifier

Product form : Mixture

Trade name : BOSS 614 Silicone Foam Release Spray

Reference number : 171663

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use, Professional use

Use of the substance/mixture : Lubricant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701
(270) 769-3385
technical@soudalaccumetric.com -
www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC
24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

FLAMMABLE AEROSOL	Category 1
SKIN IRRITATION	Category 2
EYE IRRIATION	Category 2
HAZARDOUS TO THE AQUATIC ENVIRONMENT, LONG TERM HAZARD	Category 3
SPECIFIC TARGET ORGAN TOXICITY	Category 3

Adverse physicochemical, human health and environmental effects

2.2. Label elements

Hazard pictograms (CLP) :

Signal word (CLP)	:	WARNING
Contains	:	Hydrocarbons, C6, iso-alkanes, < 5% n-hexane; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic, acetone
Hazard statements (CLP)	:	Extremely flammable aerosol Pressurixzed container: may burst if heated. Causes skin irritation. Causes serious eye irritation May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	:	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not pierce or burn, even after use. If eye irritation persists: get medical advice/attention. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: wash with plenty of soap and water. If skin irriation or rash occurs: get medical advice attention. Read label before use. Wash contaminated clothing before reuse. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid release to environment. Wash hands thoroughly after handling. Wear eye protection/face protection. Wear protective gloves. Dispose of contents and container in accordance with all local, regional, national, and international regulations.
Extra phrases	:	

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	
Acetone	CAS-No.: 67-6401	< 40	Flam. Liq. 2, H319 Eye Irrit. 2, H336 STOT SE 3, H336
n-Butane	CAS-No.: 106-97-8	< 30	Flam. Gas 1, H220
Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	CAS-No.:	< 20	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Hydrocarbons, C6, isoalkanes, < 5% n-hexane	CAS-No.:	< 20	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE3, H336 Aquatic Chronic 2, H411
Propane	CAS-No.: 74-98-6	<5	Flam. Gas 1, H220

n-Hexane	CAS-No.: 110-54-3	< 0.5	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE3, H336 Repr 2, H361 STOT RE2, H373 Aquatic Chronic 2, H411
Cyclohexane	CAS-No.: 110-82-7	< 0.2	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE3, H336 Aquatic Acute, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Thoroughly rinse with water (contact lenses to be removed if this is easily done) then take to physician.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after eye contact : Redness, pain

Symptoms/effects after skin contact : Irritation, redness, pain

Symptoms/effects after inhalation : Sore throat, cough, abdominal plant, sleepiness, vomiting

Symptoms/effects after ingestion : Diarrhea, headache, abdominal cramps, sleepiness, vomiting

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. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurized container: May burst if heated.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Absorb spilled material with sand or earth. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Incompatible products : Heat sources. Ignition sources. Oxidizing agent. Strong acids. Strong bases.

Packaging materials : Aerosol.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

cyclohexane (110-82-7)

ACGIH (TWA)	100 ppm
NIOSH (TWA)	300 ppm; 1,050 mg/m^3
n-hexane (110-54-3)	
ACGIH (TWA)	50 ppm
NIOSH (TWA)	50 ppm; 180 mg/m^3
OSHA (TWA)	500 ppm; 1,800 mg/m^3
propane (74-98-6)	
NIOSH (TWA)	1,000 ppm 10 hours; 1,800 mg/m^3 10 hours
OSHA (TWA)	1,000 ppm 8 hours; 1,800 mg/m^3 8 hours
ACGIH (STEL)	Oxygen Depletion (Asphyxiant) Explosive Potential
Acetone (67-64-1)	
ACGIH (TWA)	250 ppm
n-butane (106-97-8)	
OSHA (TWA)	1,900 mg/m^3, 800 ppm
NIOSH (TWA)	1,900 mg/m^3, 800 ppm
Hydrocarbons, C7, n-alkanes, iso alkanes, cyclic	
ACGIH (TWA)	903 mg/m^3
Hydrocarbons, C6, ios-alkanes, < 5% n-hexane	
NIOSH (TWA)	903 mg/m^3
OSHA (TWA)	1,000 ppm 8 hours; 1,800 mg/m^3 8 hours
ACGIH (STEL)	Oxygen Depletion (Asphyxiant) Explosive Potential

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the workstation. If necessary, use an air-purifying face mask in case of respiratory hazards.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shied and protective suit in case of exceptional processing problems.

8.2.2.2. Skin protection

Skin and body protection:
Protective clothing
Hand protection:
Protective gloves against chemicals (butyl glove with a breakthrough time of > 480 minutes; material thickness 0.7 mm). Thoroughly check gloves before use.

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Colorless
Appearance	:	Aerosol.
Odor	:	characteristic.
Odor threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	-45 – 95 °C
Flammability	:	Extremely flammable aerosol.
Explosive properties	:	Pressurized container: May burst if heated.
Explosive limits	:	1.1 – 13.0 vol %
Lower explosion limit	:	1.1 %
Upper explosion limit	:	13.0 %
Flash point	:	-20 °C
Auto-ignition temperature	:	365 °C
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	1 mm^2/s
Solubility	:	Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapor pressure	:	853,000 Pa

Vapor pressure at 50 °C	:	Not available
Density	:	0.76 kg/L
Relative density	:	0.76
Relative vapor density at 20 °C	:	0.76
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits : 1.1 – 13.0 vol %
% of flammable ingredients : 65%

9.2.2. Other safety characteristics

VOC content : 260 g/L (< 35%)

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions. Extremely flammable aerosol. Pressurized container: May burst if heated.

10.2. Chemical stability

Avoid extremely high or extremely low temperatures.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Protect from sunlight and do not expose to temperatures exceeding 120°F (50C).

10.5. Incompatible materials

Heat sources. Ignition sources.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin Corrosion/Irritation	: Causes skin irritation
Eye Irritation	: Causes serious eye irritation
Respiratory Irritation	: Not classified
Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive Toxicity	: Not classified
STOT-SE	: May cause drowsiness or dizziness
STOT-Repeated Exposure	: Not classified
Aspiration Hazard	: Not classified

Acetone (67-64-1)	
LD50, oral, rat	➢ 5,000 mg/kg

LD50, dermal, rabit	➢ 5,000 mg/kg
LC50, inhalation, rat, 4h	➢ 50 mg/L
n-Butane (106-97-8)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
Hydrocarbons, C6, iso-alkanes, < 5% n-Hexane	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
Propane (74-98-6)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
n-Hexane (110-54-3)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L
Cyclohexane (110-82-7)	
LD50, oral, rat	5,000 mg/kg
LD50, dermal, rabit	5,000 mg/kg
LC50, inhalation, rat, 4h	50 mg/L

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not classified .
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified
Not rapidly degradable

Acetone (67-64-1)	
LC50	5,540 mg/L (Oncorhynchus mykiss, 96 h)
EC50	8,800 mg/L (daphnia magna, 48 h)

cyclohexane (110-82-7)	
LC50 - Fish [1]	4.53 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration)
EC50 - Crustacea [1]	0.9 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 - Other aquatic organisms [1]	2.2 mg/l water flea
EC50 - Other aquatic organisms [2]	1.8 mg/l
EC50 72h - Algae [1]	9.317 mg/l (Equivalent or similar to OECD 201, Pseudokirchneriella subcapitata, Experimental value, Growth rate)

propane (74-98-6)	
LC50 - Fish [1]	49.9 mg/l (96 h, Pisces, Fresh water, QSAR, Estimated value)
EC50 96h - Algae [1]	11.89 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)

butane (106-97-8)	
LC50 - Fish [1]	24.11 mg/l (ECOSAR, 96 h, Pisces, Fresh water, QSAR)
EC50 96h - Algae [1]	7.71 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)

12.2. Persistence and degradability

cyclohexane (110-82-7)	
Persistence and degradability	Readily biodegradable.

n-hexane (110-54-3)	
Persistence and degradability	Readily biodegradable.

ThOD	3,52 g O_2/g substance
propane (74-98-6)	
Persistence and degradability	Readily biodegradable in water.
butane (106-97-8)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

cyclohexane (110-82-7)	
BCF - Fish [1]	167 l/kg (Pimephales promelas, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3,44 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
n-hexane (110-54-3)	
BCF - Fish [1]	501,187 (Pimephales promelas, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Potentially bio accumulable.
propane (74-98-6)	
Partition coefficient n-octanol/water (Log Pow)	1.09 – 2.8 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
butane (106-97-8)	
Partition coefficient n-octanol/water (Log Pow)	2.8 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

cyclohexane (110-82-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.89 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.
n-hexane (110-54-3)	
Surface tension	17.89 mN/m (25 °C, 1 g/l)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.34 (log Koc, QSAR)
Ecology - soil	Low potential for mobility in soil.

propane (74-98-6)	
Surface tension	No data available in the literature
Ecology - soil	Not applicable (gas).

12.5. Results of PBT and vPvB assessment

Soudal White Grease
No additional

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with requirements and applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing product should be done only after a careful evaluation and in compliance with all federal, local, and state laws.

SECTION 14: Transport information

14.1 UN Number
UN1950

14.2 UN Proper Shipping Name
UN1950 Aerosols, flammable, 5F, (D)

14.3 Transport Hazard Class(es)

Class(es)	5F
Identification number of the hazard	Not applicable

14.4 Packing Group
Not applicable

14.5 Environmental hazards
Not dangerous to the environments

14.6 Special precautions for user

Hazard characteristics:	Risk of fire. Risk of explosion. Containers may explode when heated.
Additional guidance:	Take cover. Keep out of low areas.

14.7 Maritime transport in bulk according to IMO instruments
Not applicable

SECTION 15: Regulatory information

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

15.1.1. US Federal Regulations

TSCA
All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

15.1.1. US State Regulations

The following components appear on one or more of the following state hazardous substances list:

butane (106-97-8)
MA, NJ, PA
propane (74-98-6)
MA, MN, NJ, PA
n-hexane (110-54-3)
MA, PA

California Prop 65

WARNING: This product can expose you to chemicals including n-hexane, which is known to the State of California to cause birth defects and/or reproductive harm. For more information, go to www.P65Warnings.ca/gov

SECTION 16: Other information

Indication of changes

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.