

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet



BOSS 820 Pool & Spa Professional Grade Silicone Safety Data Sheet

Issue date: 10/05/2021 Revision date: 11/28/2022 Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : BOSS 820 Pool & Spa Professional Grade Silicone Sealant
Reference number : 142315, 142316, 142324, 142325, 142343, 142344, 142364, 143124

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

1.2.1. Relevant identified uses

Main use category : Consumer use/Professional use
Use of the substance/mixture : Sealant

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

2.2. Label elements

Hazard pictograms (CLP): GHS classification in accordance with the OSHA Hazard communication Standard (29 CFR 1910.1200)

Signal word (CLP) : None needed
Contains :
Hazard Statements : Not a hazardous substance or mixture.
Precautionary Statements : Use only outdoors or in a well-ventilated area.

2.3. Other hazards

No data available.

SECTION 3: Ingredients

3.1. Substances

Not applicable

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

3.2. Mixtures

Name	Product identifier	%	Classification
Distillates (petroleum), hydrotreated middle	(CAS-No.) 64742-46-7	≥ 16 – < 34	Aspiration Hazard – Category 1
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	(CAS-No.) 64742-46-7	≤ 34	Aspiration Hazard – Category 1

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: First responders should pay attention to self-protection and used recommended clothing (chemical resistant gloves and splash protection). If potential for exposure exists, refer to section 8 for specific PPE.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell. Do not induce vomiting unless directed to do so by medical personnel.

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

Symptoms/effects after skin contact	: Skin contact may aggravate existing dermatitis. Brief contact may cause slight skin irritation with local redness. May cause drying and flaking of the skin.
Symptoms/effects after eye contact	: May cause slight eye irritation. May cause mild discomfort.

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. Alcohol-resistant Foam. Carbon dioxide.
Unsuitable extinguishing media	: None known.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Carbon oxides. Silicon oxides
Unusual Fire and Explosion Hazards: Exposure to combustion products may be a hazard to health.

5.3. Advice for firefighters

Fire Fighting Procedures: Use water spray to cool unopened containers. Evacuate area. Collect contaminated fire extinguishing water separately. Do not discharge into drains. Fire residues and contaminated fire extinguisher water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

6.1.1. For non-emergency personnel

Emergency procedures: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.1.2. For emergency responders

Protective equipment: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.2. Environmental precautions

Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You need to determine which regulations are applicable. For large spills, provide diking and other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.

6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with eyes. Do not swallow. Avoid prolonged or repeated contact with skin. Take care to prevent spills, waste, and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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: Keep in properly labelled containers. Store in accordance with local, regional, and national regulations.

Incompatible products: Strong oxidizing agents

Unsuitable materials for containers: None known

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

Distillates (petroleum) Hydrotreated middle	
OSHA Z1 (TWA)	2,000 mg/m ³ (500 ppm)
OSHA Z1 (TWA MIST)	5 mg/m ³
Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	
OSHA Z1 (TWA)	2,000 mg/m ³ (500 ppm)

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

OSHA Z1 (TWA MIST)	5 mg/m ³
--------------------	---------------------

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses (w/ side shields)

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Use gloves chemically resistant to this material. Chlorinated polyethylene, neoprene, nitrile/butadiene rubber, polyethylene, ethyl vinyl alcohol laminate, polyvinyl chloride, Viton, polyvinyl alcohol, and butyl rubber. NOTICE: The selection of proper gloves for a particular application and duration of use in workplace should also take into account all relevant workplace factors such as, but no limited to: other chemicals which may be handled, physical requirements (cut/puncture resistant, dexterity thermal protection), potential body reactions to glove materials, as well as instructions/specifications provided by the glove supplier.

8.2.2.3. Respiratory protection

Respiratory protection:

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or were indicated by your risk assessment process. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

The following types of air-purifying respirators should be effective: Organic vapor cartridge.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Paste
Color	: Colorless.
Appearance	: Smooth Homogenous Paste
Odor	: Acetic Acid.
Odor threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not classified as a flammability hazard
Explosive properties	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not available
Solubility	: Insoluble.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: Not applicable
Vapor pressure at 50 °C	: Not available
Density	: 960 kg/m ³ (20°C)
Relative density	: 0.96 (20°C)
Relative vapor density at 20 °C	: Not available
Particle size	: Not applicable
Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients :

9.2.2. Other safety characteristics

VOC content : 24 g/L (< 3% by volume)

SECTION 10: Stability and reactivity

10.1. Reactivity

Not classified as a reactivity hazard

10.2. Chemical stability

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Can react with strong oxidizing agents.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with oxidizing materials.

10.6. Hazardous decomposition products

Decomposition products can include and are not limited to: Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute toxicity (oral)	: Very low toxicity if swallowed. Swallowing may result in irritation of the mouth, throat, and gastrointestinal tract. May cause nausea and omitting.
Acute toxicity (dermal)	: Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Acute toxicity (inhalation)	: Brief exposure (minutes) is not likely to cause adverse effects. May cause respiratory irritation and central nervous system depression.

Distillates (petroleum), hydrotreated middles (64742-46-7)

LD50 Oral Rat	> 5,000 mg/kg
LD50 Dermal, Rabbit	> 3,160 mg/kg No deaths occurred at this concentration.
LC50, Inhalation, Rat, 4 hour, dust/mist	> 5.2 mg/L

Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics (64742-46-7)

LD50 oral rat (male and female)	> 5,000 mg/kg
LD50 Dermal, Rabbit	> 3,1600 mg/kg
LC50, Inhalation, Rat, 4 hour, dust/mist	> 5.266 mg/L

Distillates (petroleum), hydrotreated middles (64742-46-7)

Sensitization	Did not cause allergic skin reactions when tested in guinea pigs. No relevant data found for respiratory sensitization.
STOT – Single Exposure	Available data are inadequate to determine single exposure specific target organ toxicity.
Aspiration Hazard	May be fatal if swallowed and enters airways.
STOT – Repeated Exposure	Based on available data, repeated exposures are not anticipated to cause significant adverse effects.
Carcinogenicity	For similar material(s): did not cause cancer n laboratory animals.
Teratogenicity	For similar material(s): did not cause birth defects or any other fetal effects in laboratory animals.
Reproductive toxicity	For similar material(s): in animal studies, did not interfere with reproduction.
Mutagenicity	In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics (64742-46-7)

Sensitization	Did not cause allergic skin reactions when tested in guinea pigs. No relevant data found for respiratory sensitization.
---------------	---

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

STOT – Single Exposure	Evaluation of available data suggests that this material is not an STOT-SE toxicant.
Aspiration Hazard	Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage or even death due to chemical pneumonia.
STOT – Repeated Exposure	Based on available data, repeated exposures are not anticipated to cause significant adverse effects.
Carcinogenicity	No relevant information found.
Teratogenicity	Did not cause birth defects or any other fetal effects in laboratory animals.
Reproductive toxicity	In animal studies, did not interfere with reproduction.
Mutagenicity	In vitro genetic toxicity studies were predominately negative. Animal genetic toxicity studies were negative.

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Distillates (petroleum), hydrotreated middles (64742-46-7)

LL50, Scophthalmus maximus (turbot), 96 hour,	> 1,028 mg/L
LL50, arcata tonsa, 48 hour	> 3,193 mg/L
EL50, Skeletonema costatum (marine diatom), 72 hours	> 10,000 mg/L
EC50, 3 hour, OECD 209	> 100 mg/L
NOELR, Ceriodaphnia dubai (water flea) 8 d	> 100 mg/L

Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

LL50, Scophthalmus maximus (turbot), 96 hour	> 1,028 mg/L
EL50, Daphnia magna, Static test, 48 hour, OECD 203	210 g/mL
LL50, Arcatia tonsa, 48 hour, ISO 14669	> 3,193 mg/L
EL50, Skeletonema costatum (marine diatom) 72 hour, growth rate, ISO 10253	> 10,000 mg/L
Toxicity to bacteria (tetrahymena pyriformis), 40 hour	Growth inhibition

12.2. Persistence and degradability

Distillates (petroleum), hydrotreated middles (64742-46-7)

Persistence and degradability	Material is expected to be readily biodegradable. 10-day window: not applicable. Biodegradation: 74% Exposure Time: 28 d Method: OECD 306
-------------------------------	---

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Persistence and degradability

Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

Biodegradation: 57.5%

Exposure Time: 28 d

Method: OECD 301F

10 day Window: Fail

Biodegradation: 74%

Exposure Time: 28 d

Method: OECD 306

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated middles (64742-46-7)

Bioaccumulative potential

No relevant data found

Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Bioaccumulative potential

No data available

12.4. Mobility in soil

Distillates (petroleum), hydrotreated middles (64742-46-7)

Mobility in Soil

No relevant data found

Hydrocarbons, C15-20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics

Mobility in Soil

No relevant data found

12.5. Results of PBT and vPvB assessment

The product does not meet the PBT and vPvB classification criteria

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal

13.1. Waste treatment methods

We make no guarantee or warranty of any kind that the use of 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

UN Number:	N/A	
UN Proper Shipping Name:	Not regulated as a dangerous good	
DOT Classification:	Not regulated as a dangerous good	
Packing Group:	Not regulated as a dangerous good	
International Regulations:	UNRTDG	Not regulated as a dangerous good
	IATA-DGR	Not regulated as a dangerous good
	IMDG-Code	Not regulated as a dangerous good

BOSS 820 Pool & Spa Professional Grade Silicone Sealant

Safety Data Sheet

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.

SARA 311 and 312: No SARA hazards.

SARA 313: This material does not contain any chemicals with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.1.2. US State Regulations

Pennsylvania Right to Know

The following chemicals are listed because of the additional requirements for Pennsylvania law:

Components	CAS Number
Polydimethylsiloxane hydroxy terminated	70131-67-8
Distillates (petroleum), hydrotreated middle	64742-46-7
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	64742-46-7
Silicon dioxide	7631-86-9
Amorphous fumed silica	112945-52-5

California Prop 65

WARNING: This product can expose you to chemicals including Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Hazard Rating System

NFPA

Health	Flammability	Instability
0	1	0

HMIS

Health	Flammability	Instability
0	1	0

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine the 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.