



Safety Data Sheet

BOSS® 389 Marine Silicone Sealant

Section 1. Identification

Product Identifier	BOSS® 389 Marine Silicone Sealant		
Synonyms	38901; 38900; 04230CL10; 04230WH10		
Manufacturer Stock Numbers	04230CL10; 04230WH10		
Recommended use	Refer to Technical Information		
Uses advised against	Refer to Technical Information		
Manufacturer Contact			
Address	Soudal Accumetric 350 Ring Road Elizabethtown, KY, 42701 USA		
	Phone	Emergency Phone	Fax
	(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 765-2412

Section 2. Hazards Identification

Classification	N/A
Signal Word	
Pictogram	
Hazard Statements	N/A
Precautionary Statements	
Response	N/A
Prevention	Use only outdoors or in a well-ventilated area.
Storage	N/A
Disposal	N/A

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

GHS Classification Not a hazardous substance or mixture.

GHS Label Element Not a hazardous substance or mixture.

Other hazards None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
7631-86-9	Amorphous silica	6% - 9%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

If inhaled If inhaled, remove to fresh air.
Get medical attention if symptoms occur.

In case of skin contact Wash with water and soap as a precaution.
Get medical attention if symptoms occur.

In case of eye contact Flush eyes with water as a precaution.
Get medical attention if irritation develops and persists.

If swallowed If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed None known

Protection of first-aiders No special precautions necessary for first aid responders.

Notes to physician Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media Water spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical

Unsuitable Extinguishing Media None known

Specific hazards during fire fighting Exposure to combustion products may be a hazard to health.

Hazardous decomposition products Carbon oxides
Silicon oxides
Formaldehyde

Specific extinguishing methods Use extinguishing measures that are appropriate to local circumstances and the surrounding environment,
Use water spray to cool unopened containers.

Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

Special protective equipment for fire-fighters Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions Discharge into the 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.

Methods and materials for containment and cleaning up Soak up with inert absorbent material.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
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 will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Section 7. Handling and Storage

Technical measures See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/total ventilation Use only with adequate ventilation.

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage Keep in properly labeled containers.
Store in accordance with the particular national regulations.

Materials to avoid Do not store with the following product types:
Strong oxidizing agents

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Amorphous silica	10 mg/m ³	6 mg/m ³	Not Est.
Personal Protective Equipment	Goggles			
Note	The substance(s) listed below are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard: Silicon dioxide			

Engineering measures Processing may form hazardous compounds (see section 10).
 Ensure adequate ventilation, especially in confined areas.
 Minimize workplace exposure concentrations.

Personal protective equipment Respiratory protection
 No personal respiratory protective equipment normally required.

Hand protection
 Wash hands before breaks and at the end of workday.

Eye protection
 Wear the following personal protective equipment: Safety glasses

Skin and body protection
 Skin should be washed after contact.

Hygiene measures
 Ensure that eye flushing systems and safety showers are located close to the working place.
 When using do not eat, drink or smoke.
 Wash contaminated clothing before re-use.
 These precautions are for room temperature handling. Use at elevated temperature handling. Use are elevated temperature or aerosol/spray applications may require added precautions.

Section 9. Physical and Chemical Properties
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Physical State	Paste
Color	Refer to product label
Odor	Acetic Acid
Odor Threshold	No data available
Solubility	No data available
Partition coefficient Water/n-octanol	No data available
VOC%	23 g/L
Viscosity	Not applicable
Specific Gravity	1.007
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>100C
FP Method	Closed Cup
Ph	Not applicable
Melting Point	No data available
Boiling Point	Not applicable
Boiling Range	N/A

LEL	N/A
UEL	N/A
Evaporation Rate	Not applicable
Flammability	Not classified as a flammability hazard
Decomposition Temperature	No data available
Auto-ignition Temperature	No data available
Vapor Pressure	Not applicable
Vapor Density	No data available

Note The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Reactivity	Not classified as a reactivity hazard.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150C (300F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.
Conditions to Avoid	None known
Incompatible materials	Oxidizing agents
Hazardous decomposition products	Thermal decomposition: Formaldehyde

Section 11. Toxicological Information

Information on likely routes of exposure	Skin contact Ingestion Eye contact
Acute toxicity	Not classified based on available information.
	Ingredients: Silicon dioxide:
	Acute oral toxicity

LD50 (Rat): > 3,300 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Information taken from reference works and the literature.

Acute inhalation toxicity
LC50 (Rat): > 2.08 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Information taken from reference works and the literature.

Acute dermal toxicity
LD50 (Rabbit): > 5,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Information taken from reference works and the literature.

Skin corrosion/irritation

Not classified based on available information.

Product:
Result: No skin irritation
Remarks: Based on data from similar materials

Ingredients:
Silicon dioxide:
Result: No skin irritation
Remarks: Information taken from reference works and the literature

Serious eye damage/eye irritation

Not classified based on available information.

Product:
Result: No eye irritation
Remarks: Based on data from similar materials

Ingredients:
Silicon dioxide:
Result: No eye irritation
Remarks: Information taken from reference works and the literature.

Respiratory or skin sensitization

Skin sensitization
Not classified based on available information.

Respiratory sensitization
Not classified based on available information.

Ingredients:
Silicon dioxide:
Assessment: Does not cause skin sensitization.

Test Type: Skin: test type not specified
Species: Guinea pig
Result: negative
Remarks: Information taken from reference works and the literature.

Germ cell mutagenicity

Not classified based on available information.

Ingredients:
Silicon dioxide:

Genotoxicity in vitro
Result: negative
Remarks: Information taken from reference works and the literature.

Genotoxicity in vivo
Application Route: Ingestion
Result: negative
Remarks: Information taken from reference works and the literature.

Carcinogenicity

Germ cell mutagenicity - Assessment
Animal testing did not show any mutagenic effects.
Not classified based on available information.

IARC
No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Section 12. Ecological Information

Ecotoxicity No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available.

Other adverse effects No data available

Section 13. Disposal

Resource Conservation and Recovery Act (RCRA) This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.
If not otherwise specified: Dispose of as unused product.

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
	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.
Domestic regulation	49 CFR Not regulated as a dangerous good

Section 15. Regulatory Information

CERCLA Reportable Quantity	Acetic acid (64-19-7) Component RQ (lbs): 5000 Calculated RQ exceeds reasonably attainable upper limit.
	Acetic anhydride (108-24-7) Component RQ (lbs): 5000 Calculated RQ exceeds reasonably attainable upper limit.
SARA 304 Extremely Hazardous Substances Reportable Quantity	This material does not contain any components with a section 304 EHS RQ.
SARA 311/312 Hazards	No SARA Hazards
SARA 302 Extremely Hazardous Substances Reportable Quantity	This material does not contain any components with a SARA 302 EHS TPQ.
US State Regulations	Pennsylvania Right To Know Dimethyl siloxane, hydroxy-terminated 70131-67-8 Silicon dioxide 7631-86-9 Acetic acid 64-19-7 Acetic anhydride 108-24-7
	California Prop. 65 This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.
	California List of Hazardous Substances Silicon dioxide 7631-86-9
	California Permissible Exposure Limits for Chemical Contaminants Silicon dioxide 7631-86-9

The ingredients of this product are reported in the following inventories

REACH

For purchases from Soudal Accumetric EU legal entities, all ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses. For purchases from non-EU Soudal Accumetric legal entities with the intention to export into EEA please contact your Soudal Accumetric representative/local office.

TSCA

All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

AICS

All ingredients listed or exempt.

IECSC

All ingredients listed or exempt.

PICCS

All ingredients listed or exempt.

DSL

All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

Section 16. Other Information

Revision Date

4/27/2017

HMIS and NFPA Rating

HMIS

Health: 0

Fire: 1

Reactivity: 0

NFPA

Health: 0

Fire: 1

Reactivity: 0

Hazard Scale:

0 = Minimal

1 = Slight

2 = Moderate

3 = Serious

4 = Severe

* = Chronic hazard

Disclaimer

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