



# Safety Data Sheet

## BOSS® 310 RTV Industrial Silicone Sealant

### Section 1. Identification

Product Identifier BOSS® 310 RTV Industrial Silicone Sealant

Synonyms 31055; 31002; 31001; 31000; 31004; 31003; 31005; 31050; 31053; 31052; 31053; 01013CL48; 01013WH48; 01013BK48; 01013AL48; 01013AM48; 01013BZ48; 01849CL01; 01849BK01; 01849AL01; 01849AM01

Manufacturer Stock Numbers 01013CL48; 01013WH48; 01013BK48; 01013AL48; 01013BZ48; 01013AM48; 01849CL01; 01849BK01; 01849AL01; 01849AM01

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

Storage N/A  
Disposal N/A

Ingredients of unknown toxicity 0%

Hazards not Otherwise classified

HS Classification Not a hazardous substance or mixture.

HS Label Element Not a hazardous substance or mixture.

Other hazards None known

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### Section 3. Ingredients

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CAS	Ingredient Name	Weight %
131-86-9	Amorphous silica	7% - 8%
1742-46-7	Distillates (petroleum), hydrotreated middle	21% - 22%

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

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### Section 4. First-Aid Measures

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**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.

**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.

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### Section 5. Fire Fighting Measures

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**Suitable Extinguishing Media** Water spray, Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical

**Insuitable Extinguishing Media** None known

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.

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## Section 6. Accidental Release Measures

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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.

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## Section 7. Handling and Storage

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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

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## Section 8. Exposure Controls/Personal Protection

Amorphous silica	10 mg/m3	6 mg/m3	Not Est.
Distillates (petroleum), hydrotreated middle	5 mg/m3	5 mg/m3	10 mg/m3

Personal Protective Equipment

Goggles

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

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

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 or aerosol/spray applications may require added precautions.

## Section 9. Physical and Chemical Properties

Physical State	Paste
Color	Refer to product label
Odor	Acetic acid
Odor Threshold	No data available
Volubility	No data

DC%	24 g/L
viscosity	Not applicable
Specific Gravity	0.98
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	Not applicable
Test Method	N/A
Flammability	Not applicable
Boiling Point	No data available
Freezing Point	Not applicable
Boiling Range	Not applicable
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	The substance or mixture is not classified
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.

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## Section 10. Stability and Reactivity

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Reactivity

Not classified as a reactivity hazard.

Chemical stability

Stable under normal conditions.

Reactions	Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. 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:  
Distillates (petroleum), hydrotreated middle:

Acute oral toxicity:  
LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity:  
LC50 (Rat): > 5,266 mg/m<sup>3</sup>  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity:  
LD50 (Rabbit): > 3,160 mg/kg

Assessment: The substance or mixture has no acute dermal toxicity

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.

Ingredients:  
Distillates (petroleum), hydrotreated middle:  
Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

Silicon dioxide:  
Result: No skin irritation  
Remarks: Information taken from reference works and the literature.  
Not classified based on available information.

Ingredients:  
Distillates (petroleum), hydrotreated middle:  
Species: Rabbit  
Result: No eye irritation  
Method: OECD Test Guideline 405

Silicon dioxide:  
Result: No eye irritation  
Remarks: Information taken from reference works and the literature.  
Skin sensitization  
Not classified based on available information.

Respiratory sensitization  
Not classified based on available information.

Ingredients:  
Distillates (petroleum), hydrotreated middle:  
Test Type: Maximization Test  
Routes of exposure: Skin contact  
Species: Guinea pig  
Result: negative  
Remarks: Based on data from similar materials

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.  
Not classified based on available information.

Ingredients:  
Distillates (petroleum), hydrotreated middle:  
Genotoxicity in vitro:  
Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

serious eye damage/eye irritation

respiratory or skin sensitization

skin cell mutagenicity

Chromosomal analysis,

Species: Rat

Application Route: Intraperitoneal injection

Result: negative

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.

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.

Not classified based on available information.

Ingredients:

Distillates (petroleum), hydrotreated middle:

Effects on fertility:

Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 422

Result: negative

Remarks: Based on data from similar materials

Effects on fetal development:

Test Type: Embryo-fetal development

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 414

Result: negative

arcinogenicity

eproductive toxicity



Not classified based on available information.

Repeated exposure  
Not classified based on available information.

Repeated dose toxicity

Ingredients:  
Distillates (petroleum), hydrotreated middle:  
Species: Rat  
NOAEL:  $\geq 5,000$  mg/kg  
Application Route: Ingestion  
Exposure time: 13 Weeks  
Remarks: Based on data from similar materials

Inhalation toxicity

Not classified based on available information.

Ingredients:  
Distillates (petroleum), hydrotreated middle:  
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

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## Section 12. Ecological Information

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Aquatic toxicity

Ingredients:  
Distillates (petroleum), hydrotreated middle:  
Toxicity to fish:  
LL50 (*Scophthalmus maximus* (turbot)):  $> 1,028$  mg/l  
Exposure time: 96 h  
Test substance: Water Accommodated Fraction

Toxicity to daphnia and other aquatic invertebrates:  
LL50 (*Acartia tonsa*):  $> 3,193$  mg/l  
Exposure time: 48 h  
Test substance: Water Accommodated Fraction

Toxicity to algae:  
EL50 (*Skeletonema costatum* (marine diatom)):  $> 10,000$  mg/l  
Exposure time: 72 h  
Test substance: Water Accommodated Fraction

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):  
NOELR (*Ceriodaphnia dubia* (water flea)):  $> 100$  mg/l  
Exposure time: 8 d  
Test substance: Water Accommodated Fraction

Toxicity to microorganisms:  
EC50:  $> 100$  mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Persistence and degradability

Ingredients:  
Distillates (petroleum), hydrotreated middle:

Biodegradation: 71.7%  
Exposure time: 28 d  
Method: OECD Test Guideline 306

bioaccumulative potential No data available  
mobility in soil No data available.  
other adverse effects No data available

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## Section 13. Disposal

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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.

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## Section 14. Transport Information

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UN Number N/A  
UN Proper Shipping Name Not regulated as a dangerous good  
DOT Classification Not regulated as a dangerous good  
Packaging 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.

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## Section 15. Regulatory Information

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ARA 304 Extremely Hazardous Substances Reportable Quantity This material does not contain any components with a section 304 EHS RQ.  
ARA 302 Extremely Hazardous Substances Reportable Quantity This material does not contain any components with a SARA 302 EHS TPQ.  
ARA 311/312 Hazards No SARA Hazards  
ARA 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Product are reported in the following inventories:

IECSC:  
All ingredients listed or exempt.

DSL:  
This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please consult Dow Corning Regulatory Compliance.

REACH:  
For purchases from Dow Corning 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 Dow Corning legal entities with the intention to export into EEA please contact your DC 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.

## US State Regulations

Pennsylvania Right To Know  
Dimethyl siloxane, hydroxy-terminated 70131-67-8  
Distillates (petroleum), hydrotreated middle 64742-46-7  
Silicon dioxide 7631-86-9  
Acetic acid 64-19-7  
Acetic anhydride 108-24-7

California List of Hazardous Substances  
Distillates (petroleum), hydrotreated middle 64742-46-7  
Silicon dioxide 7631-86-9

California Permissible Exposure Limits for Chemical Contaminants  
Distillates (petroleum), hydrotreated middle 64742-46-7  
Silicon dioxide 7631-86-9

## ERCLA 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.

## California Prop 65

Clear  
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Black  
WARNING: This product can expose you to chemicals including Carbon Black,

Other Colors

WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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## Section 16. Other Information

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Revision Date

5/31/2018

MIS 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 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.