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

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	7% - 8%
64742-46-7	Distillates (petroleum), hydrotreated middle	21% - 22%

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

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
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
Solubility	No data available

Partition coefficient Water/n-octanol	No data available
VOC%	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
FP Method	N/A
pH	Not applicable
Melting Point	No data available
Boiling 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 classifi
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. Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid	None known
Incompatible materials	Oxidzing agents
Hazardous decomposition products	Thermal decomposition: Formaldehyde

Section 11. Toxicological Information

Information on likely routes os 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/m³
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.

Skin corrosion/irritation	Not classified based on available information. 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.
Serious eye damage/eye irritation	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.
Respiratory or skin sensitization	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.
Germ cell mutagenicity	Not classified based on available information. Ingredients: Distillates (petroleum), hydrotreated middle: Genotoxicity in vitro: Test Type: Bacterial reverse mutation assay (AMES) Result: negative Genotoxicity in vivo:

Test Type: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, 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.

Carcinogenicity

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.

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

STOT	Single exposure 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: >= 5,000 mg/kg Application Route: Ingestion Exposure time: 13 Weeks Remarks: Based on data from similar materials
Aspiration 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.

Section 12. Ecological Information

Ecotoxicity	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: Biodegradability:

	Result: Readily biodegradable. Biodegradation: 74 % 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

Section 13. Disposal

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.

Section 15. Regulatory Information

SARA 304 Extremely Hazardous Substances Reportable Quantity	This material does not contain any components with a section 304 EHS RQ.
SARA 302 Extremely Hazardous Substances Reportable Quantity	This material does not contain any components with a SARA 302 EHS TPQ.
SARA 311/312 Hazards	No SARA Hazards
SARA 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.

The ingredients of this product are reported in the following inventories:	AICS: All ingredients listed or exempt. 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
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.
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 Black WARNING: This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information,

go to www.P65Warnings.ca.gov

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

Section 16. Other Information

Revision Date	5/31/2018
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.