# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **Crafco Roadsaver Silicone NS Sealant, Roadsaver Silicone SL, Roadsaver Silicone SL Ultra-Low Modulus**

**Other means of identification** None.

**Recommended use** Pavement Joint Sealant

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

| | | |
|---|---|---|
| **Company name** | Crafco, Inc. | |
| **Address** | 6165 West Detroit St.<br>Chandler, AZ 85226<br>United States | |
| **Telephone** | Business Telephone | +1.602.276.0406 |
| **Website** | www.crafco.com | |
| **E-mail** | sales@crafco.com | |
| **Contact person** | Crafco Materials Engineering | |

**Emergency phone number** International CHEMTREC 1.703.527.3887

## 2. Hazard identification

| | | |
|---|---|---|
| **Physical hazards** | Not classified. | |
| **Health hazards** | Reproductive toxicity | Category 2 |
| **Environmental hazards** | Hazardous to the aquatic environment, acute hazard | Category 2 |

**Label elements**

**Signal word** Warning

**Hazard statement** Suspected of damaging fertility or the unborn child. Harmful to aquatic life with long lasting effects.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF exposed or if you feel unwell: Call a POISON CENTRE or doctor/physician.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations. See section 13 of this SDS for disposal instructions.

**Supplemental information** None.

**Other hazards** None known.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Polydimethylsiloxane | | 9016-00-6 | 15 - 40 |

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Toluene | | 108-88-3 | 0 - 2 |
| Other components below reportable levels | | | 78.6731 |

## 4. First-aid measures

**Inhalation**
If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

**Skin contact**
IF ON SKIN: Gently wash with plenty of soap and water. If irritation persists get medical attention.

**Eye contact**
Immediately rinse with water for several minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Get medical attention if irritation develops and persists.

**Ingestion**
Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control centre immediately.

**Most important symptoms/effects, acute and delayed**
Not available.

**Indication of immediate medical attention and special treatment needed**
In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

**General information**
If you feel unwell, seek medical advice (show the label where possible). Keep victim warm. Keep victim under observation. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

## 5. Fire-fighting measures

**Suitable extinguishing media**
Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media**
Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**
Irritating, corrosive and/or toxic gases or fumes will be released during a fire.

**Special protective equipment and precautions for firefighters**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire fighting equipment/instructions**
In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

**Specific methods**
In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers.

**General fire hazards**
No unusual fire or explosion hazards noted.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Methods and materials for containment and cleaning up**
Stop the flow of material, if this is without risk. Eliminate sources of ignition. Dike far ahead of spill for later disposal. Following product recovery, flush area with water.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment.

## 7. Handling and storage

**Precautions for safe handling**
Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing. Do not ingest. Wash hands after handling and before eating. When using, do not eat, drink or smoke. Avoid contact during pregnancy/while nursing. Avoid release to the environment.

**Conditions for safe storage, including any incompatibilities**
Store in a cool and well-ventilated place. Keep away from heat and sources of ignition. Keep out of the reach of children. Keep container tightly closed.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values (TLV)**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | TWA | 20 ppm |

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | TWA | 188 mg/m3 |
| | | 50 ppm |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | TWA | 20 ppm |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | TWA | 20 ppm |

**Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | TWA | 20 ppm |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | TWA | 20 ppm |

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | TWA | 188 mg/m3 |
| | | 50 ppm |

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended**

| Components | Type | Value |
|---|---|---|
| Toluene (CAS 108-88-3) | 15 minute | 60 ppm |
| | 8 hour | 50 ppm |

**Biological limit values**

**ACGIH Biological Exposure Indices (BEI)**

| Components | Value | Determinant | Specimen | Sampling Time |
|---|---|---|---|---|
| Toluene (CAS 108-88-3) | 0.3 mg/g | o-Cresol, with hydrolysis | Creatinine in urine | * |
| | 0.03 mg/l | Toluene | Urine | * |
| | 0.02 mg/l | Toluene | Blood | * |

* - For sampling details, please see the source document.

**Exposure guidelines**

**Canada - Alberta OELs: Skin designation**

Toluene (CAS 108-88-3) Can be absorbed through the skin.

**Canada - Quebec OELs: Skin designation**

Toluene (CAS 108-88-3) Can be absorbed through the skin.

**Canada - Saskatchewan OELs: Can be absorbed through the skin.**

Toluene (CAS 108-88-3) Can be absorbed through the skin.

**Appropriate engineering controls** Provide adequate ventilation if fumes or vapours are generated.

**Individual protection measures, such as personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | Goggles/face shield are recommended. |
| **Skin protection** | |
| **Hand protection** | Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves. |
| **Other** | Wear appropriate chemical resistant clothing. |
| **Respiratory protection** | In the case of respirable dust and/or fumes, use self-contained breathing apparatus. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| **Thermal hazards** | Not available. |
| **General hygiene considerations** | When using, do not eat, drink or smoke. Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Physical state** | Liquid. |
| **Form** | Paste. |
| **Colour** | Grey. |
| **Odour** | Slight. |
| **Melting point/freezing point** | Not available. |
| **Boiling point or initial boiling point and boiling range** | <65.56 °C (<150 °F) |
| **Flammability** | Not available. |
| **Upper/lower flammability or explosive limits** | |
| **Explosive limit - lower ( %)** | Not available. |
| **Explosive limit – upper (%)** | Not available. |
| **Flash point** | >200.0 °C (>392.0 °F) |
| **Auto-ignition temperature** | >371.11 °C (>700 °F) |
| **Decomposition temperature** | Not available. |
| **pH** | Not available. |
| **Kinematic viscosity** | Not available. |
| **Solubility** | |
| **Solubility (water)** | Not available. |
| **Partition coefficient (n-octanol/water) (log value)** | Not available. |
| **Vapour pressure** | Not available. |
| **Density and/or relative density** | Not available. |
| **Vapour density** | Not available. |
| **Particle characteristics** | Not available. |
| **Other information** | |
| **Percent volatile** | <5 % |
| **Specific gravity** | > 1 - < 1.5 |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| **Chemical stability** | Material is stable under normal conditions. Stable under normal temperature conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerisation does not occur. |
| **Conditions to avoid** | Heat, flames and sparks. Avoid high temperatures. Temperatures above °C |
| **Incompatible materials** | Strong acids, alkalis and oxidizing agents. |

**Hazardous decomposition products** Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Toxic gas.

## 11. Toxicological information

**Information on likely routes of exposure**

**Inhalation** Health injuries are not known or expected under normal use.

**Skin contact** Causes mild skin irritation.

**Eye contact** May be irritating to eyes.

**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

**Information on toxicological effects**

**Acute toxicity** Not classified.

| Product | Species | Test Results |
|---|---|---|
| Crafco Roadsaver Silicone NS Sealant, Roadsaver Silicone SL, Roadsaver Silicone SL Ultra-Low Modulus | | |
| **Acute** | | |
| **Oral** | | |
| ATEmix | | 9004 mg/kg |

| Components | Species | Test Results |
|---|---|---|
| Toluene (CAS 108-88-3) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 5000 mg/kg, 24 Hours |
| **Inhalation** | | |
| *Vapour* | | |
| LC50 | Rat | 28.1 mg/l, 4 Hours |
| **Oral** | | |
| LD50 | Rat | > 5000 mg/kg |

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes mild skin irritation. Not classified.

**Corrosivity**

| | |
|---|---|
| Toluene | Directive 67/548/EEC, Annex V, B.4.<br>Result: Skin irritation<br>Species: Rabbit |

**Serious eye damage/eye irritation**

**Eye**

| | |
|---|---|
| Toluene | OECD Test Guideline 405<br>Result: No eye irritation<br>Species: Rabbit |

**Respiratory or skin sensitisation**

**Respiratory sensitisation** Not available.

**Skin sensitisation** Not available.

**Skin Sensitisation**

| | |
|---|---|
| Toluene | Maximization test<br>Result: Negative<br>Species: Guinea pig |

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Germ cell mutagenicity: Ames test**

| | |
|---|---|
| Toluene | In vitro<br>Result: Negative |

**Mutagenicity**

| | |
|---|---|
| Toluene | In vitro mammalian cell gene mutation test<br>Result: Negative<br>In vivo mammalian bone-marrow cytogenetic test, chromosomal analysis<br>Result: Negative<br>Species: Rat<br>In vivo rodent dominant lethal test (germ cell) (inhalation)<br>Result: Negative<br>Species: Mouse |

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

| | |
|---|---|
| Toluene | Inhalation (vapor)<br>Result: Negative<br>Species: Rat<br>Test Duration: 103 weeks<br>Skin contact<br>Result: Negative<br>Species: Mouse<br>Test Duration: 24 months |

**ACGIH Carcinogens**

| | |
|---|---|
| Toluene (CAS 108-88-3) | A4 Not classifiable as a human carcinogen. |

**Canada - Manitoba OELs: carcinogenicity**

| | |
|---|---|
| Toluene (CAS 108-88-3) | Not classifiable as a human carcinogen. |

**Canada - New Brunswick OELs: Carcinogen category**

| | |
|---|---|
| Toluene (CAS 108-88-3) | A4: Not classifiable as a human carcinogen |

**IARC Monographs. Overall Evaluation of Carcinogenicity**

| | |
|---|---|
| Toluene (CAS 108-88-3) | 3 Not classifiable as to carcinogenicity to humans. |

**Reproductive toxicity** Suspected of damaging fertility or the unborn child.

**Reproductivity**

| | |
|---|---|
| Toluene | Embryo-foetal development (Inhalation)<br>Result: positive<br>Species: Rat<br>Two-generation reproduction toxicity study (Inhalation)<br>Result: Negative<br>Species: Rat |

**Specific target organ toxicity - single exposure** Not available.

**Specific target organ toxicity - repeated exposure**

| | |
|---|---|
| Toluene | 1.875 mg/l NOAEL (Inhalation)<br>Species: Rat<br>Test Duration: 6 months<br>625 mg/kg NOAEL (Ingestion)<br>Species: Rat<br>Test Duration: 13 weeks |

**Aspiration hazard** Not available.

**Chronic effects** Not relevant at normal room temperatures. When heated, harmful vapours may be formed.

## 12. Ecological information

**Ecotoxicity** Contains a substance which causes risk of hazardous effects to the environment.

| Product | Species | Test Results |
|---|---|---|
| Crafco Roadsaver Silicone NS Sealant, Roadsaver Silicone SL, Roadsaver Silicone SL Ultra-Low Modulus | | |
| **Aquatic** | | |
| Crustacea EC50 | Water flea (Daphnia magna) | > 5.46 - < 9.83 mg/l, 48 hr |

| Product | | Species | Test Results |
|---|---|---|---|
| Fish | LC50 | Coho salmon,silver salmon (Oncorhynchus kisutch) | 5.5 mg/l, 96 hr |

| Components | | Species | Test Results |
|---|---|---|---|
| Polydimethylsiloxane (CAS 9016-00-6) | | | |
| **Aquatic** | | | |
| Fish | LC50 | Channel catfish (Ictalurus punctatus) | >= 2.36 - <= 4.15 mg/l, 96 hours |
| Toluene (CAS 108-88-3) | | | |
| Other | EC50 | Nitrosomonas sp. | 84 mg/l, 24 Hours |
| **Aquatic** | | | |
| Other | NOEC | Diatom (Skeletonema costatum) | 10 mg/l, 72 Hours |
| *Acute* | | | |
| Crustacea | EC50 | Ceriodaphnia dubia | 3.78 mg/l, 48 Hours |
| Fish | LC50 | Oncorhynchus kisutch | 5.5 mg/l, 96 hours |
| *Chronic* | | | |
| Crustacea | NOEC | Ceriodaphnia dubia | 0.74 mg/l, 7 days |
| Fish | NOEC | Oncorhynchus kisutch | 1.39 mg/l, 40 days |

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

| Partition coefficient n-octanol / water (log Kow) | |
|---|---|
| Toluene | 2.73 |

**Mobility in soil** Not available.

**Other adverse effects** Not available.

## 13. Disposal considerations

**Disposal instructions** Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Do not dispose of waste into sewer. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Dispose of in accordance with local regulations.

**Contaminated packaging** Offer rinsed packaging material to local recycling facilities.

## 14. Transport information

**TDG**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

**Canadian regulations**

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.
This SDS complies with the Canadian Hazardous Products Regulations (SOR/2015-17), last amended December 15, 2022.

**Canada Controlled Drugs and Substances Act, Schedule I**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule II**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule III**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule IV**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule V**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule VI**

Toluene (CAS 108-88-3)

**Canada Controlled Drugs and Substances Act, Schedule VII**

Not regulated.

**Canada Controlled Drugs and Substances Act, Schedule VIII**

Not regulated.

**Excluded VOCs. Guidelines for Volatile Organic Compounds in Consumer Products. CEPA 1999. Environment Canada**

Polydimethylsiloxane (CAS 9016-00-6)

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

| | |
|---|---|
| Toluene (CAS 108-88-3) | Class B |

**International regulations**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**Stockholm Convention**

Not listed.

**Rotterdam Convention**

Not listed.

**Kyoto Protocol**

Not listed.

**Montreal Protocol**

Not listed.

**Basel Convention**

Not listed.

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

**Issue date** 19-December-2025

**Version No.** 01

**Further information** HMIS® is a registered trade and service mark of the NPCA.

**References**

ACGIH
EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

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