

SAFETY DATA SHEET (SDS)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: SportFloor 1 Part Adhesive
Other means of identification: STP-5100
Recommended use: 1-component silane-terminated polymer adhesive/sealant
Manufactured for: North West Rubber Ltd.
 33850 Industrial Avenue
 Abbotsford BC
 Canada V2S 7T9
E-mail Address : www.northwestrubber.com
Prepared by; Telephone The Health, Safety and Environmental Department of Adhesive Manufacturer
number of preparer: 1-604-859-2002
Fax number: 1-604-859-2009

Emergency Telephone Number:

24-Hour Emergency Telephone Number Canada (CANUTEC) : (613) 996-6666

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification of hazardous product

Skin Sensitization (Category 1B)
 Acute Toxicity, Inhalation (Category 4)
 Carcinogenicity (Category 1A)
 Specific target organ toxicity – repeated exposure (oral) (Category 2)

GHS Label Elements

Hazard Pictograms/symbols



Signal Word: DANGER

Hazard and Precautionary Statements:

H317 May cause an allergic skin reaction

H332 Harmful if inhaled

H350 May cause cancer

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

P201 Obtain special instructions before use. **P202** Do not handle until all safety precautions have been read and understood. **P260** Do not breathe the mist or vapors. **P271** Use only outdoors or in well-ventilated area. **P272** Contaminated work clothing should not be allowed out of the workplace. **P280** Wear protective gloves/protective clothing/ eye protection/ face protection. **P308 + P313** If exposed or concerned: Get medical advice/attention. **P303 + P361 + P353 IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/shower. **P304 + P340 + P312 IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER /doctor if you feel unwell. **P314** Get medical advice/ attention if you feel unwell. **P405** Store locked up. **P501** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other Hazards Known: None known

GHS Special Labeling: None known

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>Concentration (%)</u> |
|--|-------------------|--------------------------|
| limestone | 1317-65-3 | 40 - 60 % |
| Quartz (SiO ₂) | 14808-60-7 | > 1 % |
| vinyltrimethoxysilane | 2768-02-7 | 1 – 5 % |
| N-(3-(Trimethoxysilyl)propyl)ethylenediamine | 1760-24-3 | 1 – 5 % |

SECTION 4. FIRST AID MEASURES

Ingestion IF SWALLOWED: Rinse mouth. Call a POISON Center/doctor if you feel unwell.
Skin Contact IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.

SAFETY DATA SHEET (SDS)

Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects (acute and delayed)

Prolonged or repeated contact may cause skin irritation with local redness. May cause eye irritation. Corneal injury is unlikely. Has caused allergic skin reactions in humans.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General Information

If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the 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.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: In case of fire: Water spray. Foam.. Dry chemical powder. Carbon dioxide (CO₂)

Unsuitable extinguishing media: None known

Specific hazards arising from the hazardous product: During fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

Special protective equipment and precautions for fire-fighting: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. Avoid contact with this material during fire-fighting operations. If contact is likely, change to full chemical resistant fire-fighting clothing with self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

Methods and materials for containment and cleaning up

Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental Precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Protect from moisture.

Conditions for safe storage, including any incompatibilities

Store in cool and dry, under well-ventilated conditions. Store away from incompatible materials (see Section 10 of the SDS). Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters (biological limit values or exposure limit values and source of those values)

Exposure limits:

| | |
|----------------|--|
| CAS 1317-65-3 | TWA (total dust); 15 mg/m ³ OSHA Z-1 |
| | TWA (respirable fraction); 5 mg/m ³ OSHA Z-1 |
| | TWA (total dust); 15 mg/m ³ OSHA P0 |
| | TWA (respirable dust fraction); 5 mg/m ³ OSHA P0 |
| CAS 14808-60-7 | TWA (total dust); 30 mg/m ³ / %SiO ₂ +2 OSHA Z-3 |
| | TWA (respirable); 10 mg/m ³ / %SiO ₂ +2 OSHA Z-3 |
| | TWA (respirable); 250 mppcf / %SiO ₂ +5 OSHA Z-3 |
| CAS 2768-02-7 | No exposure limits noted for the ingredient(s) |
| CAS 1760-24-3 | No exposure limits noted for the ingredient(s) |

SAFETY DATA SHEET (SDS)

Engineering Controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

Personal Protective Equipment

Wear appropriate protective clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|--|--------------------------|---|---|
| Physical State/ Appearance/ Color: | Creamy paste, Light grey | Vapour Pressure: | Not available |
| Odour: | Mild | Vapour Density: | Not available |
| Odour threshold: | Not available | Relative Density: | 1.60 – 1.65 |
| pH: | Not available | Solubility: | Not available |
| Melting/freezing point: | Not available | Partition coefficient-n-octanol/water: | Not available |
| Initial boiling point/range: | Not available | Auto-ignition temperature: | Not available |
| Flash point (closed cup) | > 93 °C | Decomposition temperature: | Not available |
| Evaporation rate: | Not available | Viscosity: | #7,20 rpm : 750,000 - 100,000 cps #7,2 rpm : 350,000 - 400,000 cps |
| Flammability (solids and gases): | Not available | VOC: | ≤ 30g/L |
| Upper and lower flammability/explosive limits | Not available | Other: | None known |

SECTION 10. STABILITY AND REACTIVITY

Reactivity: This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability: This product is stable under normal conditions.

Possibility of hazardous reactions: Can react with strong oxidizing materials. Can react with acids.

Conditions to Avoid: Unintended exposure to moisture. Strong oxidizing materials. Acids.

Incompatible materials: Unknown

Hazardous decomposition products: Unknown.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure (inhalation, ingestion, skin and eye contact):

Inhalation, ingestion, skin and eye contact.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Delayed and immediate effects (chronic effects from short- term and long-term exposure):

Skin Sensitization – No data available ; **Respiratory Sensitization** – No data available; **Germ Cell Mutagenicity** – No data available; **Carcinogenicity** – Quartz (SiO₂) is considered Group 1: Carcinogenic to humans according to the IARC. The NTP's Report on Carcinogens lists crystalline silica (respirable size) as a known human carcinogen; **Reproductive Toxicity** No data available; **Specific Target Organ Toxicity — Single Exposure** – No data available; **Specific Target Organ Toxicity - Repeated Exposure** – No data available; **Aspiration Hazard** – No data available; **Health Hazards Not Otherwise Classified** – No data available.

Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀):

CAS 1317-65-3 LD₅₀, Oral - Rat >5000 mg/kg

CAS 14808-60-7 No data available

CAS 2768-02-7 LD₅₀, Oral - Rat > 5000 mg/kg

LD₅₀, Dermal - Rabbit > 3400 mg/kg

LD₅₀, Inhalation- Rat 2773 ppm – 4hr

CAS 1760-24-3 LD₅₀, Oral - Rat 2295 mg/kg

LD₅₀, Dermal - Rabbit > 2000 mg/kg

LD₅₀, Inhalation- Rat >1.49 ppm – 4hr

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information):

Not enough data available.

| Product | Species | Result |
|---------------|--|--------------------|
| CAS 1317-65-3 | LC ₅₀ Oncorhynchus mykiss (rainbow trout) | > 10000 mg/l -96 h |
| | EC ₅₀ Daphnia magna (Water flea) | > 1000 mg/l - 48 h |
| | EC ₅₀ Desmodesmus subspicatus (green algae) | > 200 mg/l - 72 h |

SAFETY DATA SHEET (SDS)

| | | |
|----------------|---|-------------------|
| CAS 14808-60-7 | No data available | No data available |
| CAS 2768-02-7 | LC ₅₀ Danio rerio (zebra fish) | > 100 mg/l - 96 h |
| | LC ₅₀ Oncorhynchus mykiss (rainbow trout) | 191 mg/l - 96 h |
| | EC ₅₀ Daphnia sp. | 168.7 mg/l - 48 h |
| | EC ₅₀ | > 1000 mg/l |
| CAS 1760-24-3 | LC ₅₀ Danio rerio (zebra fish) | 597 mg/l - 96 h |
| | EC ₅₀ Daphnia magna (Water flea) | 81 mg/l - 48 h |
| | ErC ₅₀ Selenastrum capricornutum (green algae) | 8.8 mg/l - 72 h |
| | NOEC Selenastrum capricornutum (green algae) | 3.1 mg/l - 72 h |
| | NOEC (Daphnia sp. (Water flea)) | > 1 mg/l - 21d |
| | EC ₅₀ Pseudomonas putida | 67 mg/l - 16h |

Persistence and degradability: Not enough data available.

Bioaccumulative potential: Not enough data available.

Mobility in soil: Not enough data available.

Other adverse effects: Not enough data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Information on safe handling for disposal/methods of disposal/contaminated packaging: Dispose of contents/container into safe container in accordance with local, regional or national regulations.

SECTION 14. TRANSPORT INFORMATION

UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:

Not classified as a dangerous good under transport regulations.

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):

Not classified as a dangerous good under transport regulations.

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):

Not classified as a dangerous good under transport regulations.

Special Precautions (transport/conveyance): None known

Environmental hazards (IMDG or other): None known

Bulk transport (usually more than 450L in capacity): Possible

SECTION 15. REGULATORY INFORMATION

Safety/health Canadian regulations specifics: Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics: Refer to section 3 for ingredient(s) of the DSL.

Safety/health/environmental outside regulations specifics: None

SECTION 16. OTHER INFORMATION

Date of latest revision of the safety data sheet: 15 May 2018

Disclaimer:

NOTICE TO READER:

North West Rubber Ltd. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, North West Rubber Ltd. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond North West Rubber Ltd. control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

END OF S.D.S.