



SEAL KING INC.
7134 WELLINGTON COUNTY ROAD #124 SOUTH
Guelph, ONTARIO, N1H6N3
Canada
519-821-1250

PRODUCT: SK/SSWR SPALL SHIELD WATER REPELLENT CONCRETE SEALER

CODE: SK/SSWR

SECTION 01: IDENTIFICATION

PRODUCT IDENTIFIER..... SK/SSWR SPALL SHIELD WATER REPELLENT CONCRETE SEALER
 PRODUCT CODE(S)..... SK/SSWR
 Product Class..... Siloxane solution.
 RECOMMENDED USE AND Coatings: Concrete surface sealing and treatment.
 RESTRICTIONS
 SUPPLIER IDENTIFIER..... Seal King Inc.
 7134 Wellington County Road #124 South
 Guelph
 Ontario
 Canada
 N1H6N3
 (519) 821-1250
 EMERGENCY NUMBER..... During business hours 519 821 1250. After business hours 613 996 6666.

SECTION 02: HAZARD IDENTIFICATION



SIGNAL WORD..... DANGER.
 HAZARD CLASSIFICATION..... Flammable Liquids — Category 3. Specific Target Organ Toxicity — Single Exposure - (Respiratory tract irritation and Narcotic effects) - Category 3. Skin Irritation — Category 2. Acute Toxicity (Oral) — Category 4.
 HAZARD STATEMENT..... H224 Extremely flammable liquid and vapour. H302+H332 Harmful if swallowed or inhaled. H315+H320 Causes skin and eye irritation. H335 May cause respiratory irritation. H312 Harmful in contact with skin. H371 May cause damage to organs based on animal data.
 PRECAUTIONARY STATEMENT
 Prevention..... P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P262 Do not get in eyes, on skin, or on clothing.
 Potential acute health effects:
 Inhalation..... Toxic by inhalation. Irritating to respiratory system. Other effects of inhalation may include: anesthesia, blood effects, CNS effects, cough, dizziness, drowsiness, fatigue, headache, kidney damage, liver damage, nausea, weakness.
 Ingestion..... Harmful if swallowed. Other effects of ingestion may include: abdominal pain, CNS effects, diarrhea, dizziness, drowsiness, fatigue, gastric disturbance, headache, high blood sugar, incoordination, kidney damage, liver damage, nausea, vomiting, weakness.
 Skin..... Harmful in contact with skin. Severely irritating to the skin. Other effects of skin contact: dehydration, dermatitis, discoloration. Effects due to absorption through skin may include: blood effects, CNS effects, depression, dizziness, drowsiness, fatigue, kidney damage, liver damage, weakness.
 Eyes..... Severely irritating to eyes. Risk of serious damage to eyes. Other effects of eye contact may include: burning, eye damage, redness, swelling, tearing.
 Potential chronic health effects:
 Carcinogenicity..... Not Applicable.
 Mutagenicity..... No known significant effects or critical hazards.
 Teratogenicity..... No known significant effects or critical hazards.
 Target organs..... Contains material which may cause damage to the following organs: blood, kidneys, liver, skin, central nervous system (CNS).
 Medical conditions aggravated by Pulmonary conditions. Skin disorders. Liver conditions. Respiratory conditions.
 over-exposure
 OTHER HAZARDS..... None.

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SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Tert Butyl Acetate	540-88-5	80 - 100
Methyltrimethoxysilane	1185-55-3	0.5 to 1.5

SECTION 04: FIRST-AID MEASURES

PROTECTION OF FIRST-AIDERS:.....	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
ROUTES OF EXPOSURE.....	Dermal contact. Eye contact. Ingestion. Inhalation.
SKIN CONTACT.....	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. . Wash clothing before reuse. . Clean shoes thoroughly before reuse. Get medical attention immediately if symptoms occur.
EYE CONTACT.....	Check and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately if symptoms occur. Severely irritating to eyes.
INGESTION.....	Wash out mouth with water. If material has been swallowed and the person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION.....	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs: provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately if symptoms occur.

SECTION 05: FIRE-FIGHTING MEASURES

SUITABLE AND UNSUITABLE EXTINGUISHING MEDIA	Dry chemical. CO2. Water spray/fog/foam. Do not use water jet.
SPECIFIC HAZARDS ARISING FROM ... THE HAZARDOUS PRODUCT	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Carbon monoxide, carbon dioxide, and various hydrocarbons.
HAZARDOUS COMBUSTION PRODUCTS	Decomposition products may include the following materials:.. Carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS	Fire-fighters should wear appropriate equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode. UNUSUAL FIRE HAZARDS: During emergency conditions, overexposure to products of combustion may cause a health hazard; symptoms may not be immediately apparent. Obtain medical attention.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
ENVIRONMENTAL PRECAUTIONS:.....	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	
Small spills:.....	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed contractor. .
Large spills:.....	Stop leak if without risk. Move containers from spill area. Approach from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g, sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. .

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SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING.. Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Do not enter confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other source. Use explosion-proof electrical (ventilation, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring materials. Empty containers retain product residue and can be hazardous. Do not reuse container. Store in accordance with local regulations. Store in approved area. Store in original container protected from direct sunlight in a dry and well-ventilated, away from incompatible materials (see Section 10) and food and drink. . Eliminate all ignition sources. . Separate from oxidizing materials. Keep container tightly closed and sealed unit ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store unlabeled containers. Use appropriate containment to avoid environmental contamination. .

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Tert Butyl Acetate	200 ppm		950 mg/m3			
Methyltrimethoxysilane	7.5ppm					
APPROPRIATE ENGINEERING CONTROLS	Use only with adequate ventilation. Use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. .					
HYGIENE MEASURES.....	Wash hands, forearms and face thoroughly after handling chemical products. Before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. .					
INDIVIDUAL PROTECTION MEASURES	Selection of personal protective equipment (PPE) is to be established by the employer performing a PPE hazard assessment.					
RESPIRATORY/TYPE GLOVES/ TYPE.....	Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. .					
EYE/TYPE.....	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.					
CLOTHING/TYPE.....	Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overall, boots and gloves. .					
FOOTWEAR/TYPE.....	Appropriate footwear and any additional skin protection measures should be selected based on the task performed and the risks involved .					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE AND COLOUR) Transparent colourless liquid.

ODOUR..... Solvent Odour.

pH..... Not Applicable.

FLASH POINT (°C), METHOD..... 4C, TCC.

INITIAL BOILING POINT AND BOILING RANGE (°C) 97.8C.

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MELTING POINT AND FREEZING POINT (°C) -58.15C.
 EVAPORATION RATE..... 2.8C.
 FLAMMABILITY (SOLIDS AND GASES).. Flammable.
 LOWER FLAMMABLE LIMIT (% VOL)..... 1.26.
 UPPER FLAMMABLE LIMIT (% VOL)..... 6.88.
 VAPOUR PRESSURE..... 55.995 hPa at 20 °C.
 VAPOUR DENSITY (AIR=1)..... No data.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY..... The product is stable, under normal conditions of storage and use.
 HAZARDOUS POLYMERIZATION:..... Will not undergo hazardous polymerization.
 CONDITIONS TO AVOID..... Keep away from open flames, hot surfaces and sources of ignition. Contamination.
 INCOMPATIBLE MATERIALS..... Strong oxidizing agents. Strong bases. Strong acids. Reducing agents.
 HAZARDOUS DECOMPOSITION Carbon monoxide. Carbon dioxide. Hydrocarbons.
 PRODUCTS
 POSSIBILITY OF HAZARDOUS REACTIONS Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Tert Butyl Acetate	Inhalation (RAT) >2.23 mg/l 4 hours (vapour)	Oral (RAT) 4100 mg/kg Dermal (RABBIT) >2000 mg/kg
Methyltrimethoxysilane	Inh (RAT) Male & Female 4 hour, Vapour, 51.6 mg/l	Oral (RAT) Male & Female 11,685 mg/kg Dermal (Rabbit)

SECTION 12: ECOLOGICAL INFORMATION

Do not allow product or any runoff from fire control to enter storm or sanitary sewers, lakes, rivers, or public waterways. Federal regulations and other agencies may require to be notified of a spill incident.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS..... The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION..... Regulated.
 UN UN 1263.
 SHIPPING NAME..... Paint Related Material.
 CLASS..... 3.
 PACKAGING GROUP..... II.

SECTION 15: REGULATORY INFORMATION

WHMIS1988 CLASSIFICATION..... Class B2: Flammable liquid. Class D2B: Material causing other toxic effects.
 U.S. TSCA INVENTORY STATUS..... All components are listed or exempted.

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SECTION 15: REGULATORY INFORMATION

REGULATORY TEXT..... This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

HAPS (Clean Air Act 112 regulated Tert Butyl Acetate.
substances):

CEPA/DSL STATUS..... All components of this product are on the CEPA DSL inventory.

SECTION 16: OTHER INFORMATION

HAZARDOUS MATERIALS Flammability: 3. Health: 1. Physical hazards: 0. Personal Protection:.

IDENTIFICATION SYSTEM (HMIS):

PPE DISCLAIMER:..... The customer is responsible for determining the PPE code for this material.

General Disclaimer..... The information in this safety data sheet is not intended to be exhaustive and is based on the present state of Korzite's knowledge and on current laws; any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of Korzite's knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. A copy of this document should be requested and reviewed carefully. The information contained in this safety data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data is current prior to using the product. .

PREPARED BY: Regulatory Affairs

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