



SAKRETE Self Leveling Sealant

SECTION 1. IDENTIFICATION

Product Identifier	SAKRETE Self Leveling Sealant
Other Means of Identification	SAKRETE Self Leveling Sealant
Product Family	KING Home Improvement Products
Recommended Use	Repairs cracks or fill joints in horizontal concrete surfaces.
Manufacturer/Supplier Identifier	King Packaged Materials Company, 555 Michigan Drive, Suite 100, Oakville, Ontario, L6L 0G4, www.kpmindustries.com
Emergency Phone No.	King Packaged Materials Company, (800) 461-0566, 8:30am-4:30pm Chemtrec, (800) 424-9300, 24 hours/7 days a week
SDS No.	0102
Date of Preparation	January 20, 2020

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 4; Skin irritation - Category 2; Eye irritation - Category 2A; Respiratory sensitization - Category 1; Skin sensitization - Category 1; Carcinogenicity - Category 2; Reproductive toxicity - Category 2; Specific target organ toxicity (repeated exposure) - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

Combustible liquid.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure.

Precautionary Statement(s):

Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapours/spray.

In case of inadequate ventilation wear respiratory protection.

Wear protective gloves.

Wear eye protection/face protection.

Do not eat, drink or smoke when using this product.

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Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Response:

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

If exposed: Call a POISON CENTRE or doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water/

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Get medical advice/attention if you feel unwell.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

SENSITIZATION CAN OCCUR IN SOME INDIVIDUALS, LEADING TO ASTHMA-LIKE SPASMS OF THE BRONCHIAL TUBES AND DIFFICULTY BREATHING. INDIVIDUALS WITH A HISTORY OF RESPIRATORY ILLNESS, ASTHMATIC CONDITIONS, EYE DAMAGE OR TDI SENSITIZATION SHOULD NOT BE EXPOSED TO THIS PRODUCT. TDI IS INCLUDED IN THE NTP ANNUAL REPORT ON CARCINOGENS. RESULTS FROM A TDI HEALTH STUDY INDICATE THAT OVEREXPOSURE TO A RESPIRATORY IRRITANT, RESULTING IN LOWER RESPIRATORY TRACT SYMPTOMS COULD INCREASE THE RISKS OF DEVELOPING ASTHMA-LIKE REACTIONS FROM SUBSEQUENT TDI EXPOSURE.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Limestone	1317-65-3	25-50%	Not applicable	
Titanium dioxide	13463-67-7	3-5%	Not applicable	
Stoddard solvent	8052-41-3	1-3%	Not applicable	
Calcium oxide	1305-78-8	1-3%	Not applicable	
Toluene-2,6-diisocyanate	91-08-7	0.3-1%	Not applicable	
Silane, 3-(2,3-epoxypropoxy)propyltrimethoxy-	2530-83-8	0.2-0.3%	Not applicable	
Benzenesulfonyl isocyanate, 4-methyl-	4083-64-1	0.1-0.2%	Not applicable	
2-Ethylhexanoic acid	149-57-5	0.0-0.1%	Not applicable	

Notes

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell.

Skin Contact

Immediately wash with water and soap and rinse thoroughly. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation or a rash occurs, get medical advice or attention. Under no circumstances should organic solvent be used.

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Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Call physician immediately.

Ingestion

Rinse mouth with water. Give plenty of water. Get medical advice or attention if you feel unwell.

Immediate Medical Attention and Special Treatment

Special Instructions

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Foam, water spray, dry powder, carbon dioxide.

Unsuitable Extinguishing Media

Water jet.

Specific Hazards Arising from the Product

None known.

Carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black.

Special Protective Equipment and Precautions for Fire-fighters

Wear self-contained respiratory protective device.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

Environmental Precautions

Avoid release to the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Collect as much of the spilled material as possible. Cover with absorbent material. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Clean up residue.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Avoid contact with skin and eyes. Only use where there is adequate ventilation. Do not handle until all safety precautions have been read and understood. Do not breathe in this product. Do not breathe mists. When using do not eat, drink or smoke. Wash hands thoroughly after handling this material. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Do not take contaminated clothing home. Wear personal protective equipment to avoid direct contact with this chemical.

Conditions for Safe Storage

Keep in a tightly closed container. Prevent contamination with water and air. If contamination is suspected, do not reseal container. Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat, or flame. Protect from direct sunlight.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA

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Toluene-2,6-diisocyanate	1 mg/m3					
Calcium oxide	2 mg/m3			5 mg/m3		
Titanium dioxide	10 mg/m3 A4		15 mg/m3			
Silane, 3-(2,3-epoxypropoxy)propyltrimethoxy-			5 mg/m3 (R)			
Benzenesulfonyl isocyanate, 4-methyl-	200 ppm					

Appropriate Engineering Controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

Individual Protection Measures

Eye/Face Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin Protection

Personal protective equipment for the body should be selected based on the task being performed. This includes gloves, coveralls and footwear. Rubber apron and boots are suggested. Approved gloves should be worn based on risk assessments.

Respiratory Protection

Use of an approved respirator, based on a risk assessment is necessary. Respiratory protection should be selected based on the known or anticipated levels of exposure, and the work being performed. If a respirator is needed, use respirators as part of a full respiratory protection program. Half facepiece or full facepiece air purifying respirator suitable for organic vapours and particulates is recommended to reduce inhalation exposure.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Grey liquid.
Odour	Not available
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not available (melting)
Initial Boiling Point/Range	Not available
Flash Point	>= 85 °C
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not available (lower)
Relative Density (water = 1)	1.35
Auto-ignition Temperature	Not available
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Stable under normal handling and storage conditions.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Heat.

Incompatible Materials

Strong acids, strong bases, strong oxidizing agents, strong reducing agents.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION**Likely Routes of Exposure**

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Stoddard solvent		> 5000 mg/kg (rat)	
Toluene-2,6-diisocyanate		> 5000 mg/kg	> 5000 mg/kg
Calcium oxide		500 mg/kg (rat)	
Titanium dioxide	> 6.82 mg/L (rat)	> 10000 mg/kg (rat)	> 10000 mg/kg (rabbit)
Silane, 3-(2,3-epoxypropoxy)propyltrimethoxy-		6450 mg/kg (rat)	

Overall product - Acute Toxicity Estimate : LC50 > 50 mg/L

Overall product - Acute Toxicity Estimate : LD50 (oral) > 5000 mg/kg

Overall product - Acute Toxicity Estimate : LD50 (dermal) > 5000 mg/kg

Skin Corrosion/Irritation

Irritating to skin. Corrosive to skin. The product has not been tested. The statement has been derived from the properties of the individual components.

Serious Eye Damage/Irritation

Severe damage to eyes. The product has not been tested. The statement has been derived from the properties of the individual components.

STOT (Specific Target Organ Toxicity) - Single Exposure**Inhalation**

Inhalation of diisocyanates may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. High airborne concentrations may result additionally in eye irritation, headache, chemical bronchitis, asthma-like symptoms or pulmonary edema. Isocyanates have also been reported to cause hyper-sensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed. Symptoms include nausea, vomiting and abdominal pain.

Ingestion

No information was located.

Respiratory and/or Skin Sensitization

Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Titanium dioxide	Group 2B	A4		

Information on: Titanium dioxide

Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as

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group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic. Information on: toluene-2,6-diisocyanate
Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

Reproductive Toxicity

Development of Offspring

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Sexual Function and Fertility

Information on: 2-ethylhexanoic acid

Assessment of reproduction toxicity: The results of animal studies suggest a fertility impairing effect.

Germ Cell Mutagenicity

The substance was mutagenic in various bacterial test systems; however, a mutagenic effect could not be confirmed in mammalian cell culture.

Other Information

Medical conditions aggravated by overexposure:

The isocyanate component is a respiratory sensitizer. It may cause allergic reaction leading to asthma-like spasms of the bronchial tubes and difficulty in breathing. Medical supervision of all employees who handle or come into contact with isocyanates is recommended. Contact may aggravate pulmonary disorders. Persons with history of respiratory disease or hypersensitivity should not be exposed to this product. Preemployment and periodic medical examinations with respiratory function tests (FEV, FVC as a minimum) are suggested. Persons with asthmatic conditions, chronic bronchitis, other chronic respiratory diseases, recurrent eczema or pulmonary sensitization should be excluded from working with isocyanates. Once a person is diagnosed as having pulmonary sensitization (allergic asthma) to isocyanates, further exposure is not recommended.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

Poorly biodegradable. The product is unstable in water. The elimination data also refer to products of hydrolysis.

Mobility in Soil

If released into the environment, this product is not expected to move through the soil, based on physical and chemical properties.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

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Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

USA

Additional USA Regulatory Lists

This product contains a chemical known to the State of California to cause cancer.

SECTION 16. OTHER INFORMATION

SDS Prepared By King Packaged Materials Company

Phone No. 905-639-2993

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Disclaimer To the best of our knowledge, the information contained herein is accurate. However, neither King Packaged Materials Company, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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