

Section 1: Identification

Product identifier:

Product Name

R-SEAL 2000 LF

Relevant identified uses of the substance or mixture and uses advised against

Liquid Flashing (For further information, refer to product data sheet.) Recommended use

Details of the supplier of the safety data sheet:

Rmax Operating, LLC 13524 Welch Road Dallas, TX 75244 **United States**

www.rmax.com

Rmax@rmax.com

Telephone (General) 972-387-4500

Emergency telephone number only:

Call CHEMTREC

Day or Night within USA and Canada:

1-800-424-9300

Section 2: Hazard Identification

GHS Classification

Flammable liquids, Category 4

Specific target organ systemic toxicity -

repeated exposure, Category 2,

Bladder

H227: Combustible liquid.

Carcinogenicity, Category 1A (inhalation) H350i: May cause cancer by inhalation.

H373: May cause damage to organs through prolonged or repeated exposure

GHS label elements

Hazard pictograms



Signal Word Danger

Hazard Statements H227 Combustible liquid.

H350i May cause cancer by inhalation.

H373 May cause damage to organs (Bladder) through prolonged or repeated

exposure.

Precautionary Statements Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P281 Use personal protective equipment as required.

Response:

P308 + P313 If exposed or concerned: Get medical advice/ attention.

P370 + P378 In case of fire: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for extinction.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

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P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

See Section 11 for more detailed information on health effects and symptoms.

There are no hazards not otherwise classified that have been identified during the classification process.

There are no ingredients with unknown acute toxicity used in a mixture at a concentration >= 1%.

Section 3 - Composition/Information on Ingredients

Hazardous ingredients

Chemical name	CAS-No.	Concentration (%)
trimethoxyvinylsilane	2768-02-7	>= 1 - < 2 %
Quartz (SiO2)	14808-60-7	>= 0.1 - < 1 %

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

If inhaled Move to fresh air.

Consult a physician after significant exposure.

In case of skin contactTake off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water. If symptoms persist, call a physician.

In case of eye contact Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed Clean mouth with water and drink afterwards plenty of water.

Do not induce vomiting without medical advice.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Carcinogenic effects

Effects, both acute and delayed See Section 11 for more detailed information on health effects and symptoms.

May cause cancer by inhalation.

May cause damage to organs through prolonged or repeated exposure.

Protection of first-aiders Move out of dangerous area.

Consult a physician.

Show this material safety data sheet to the doctor in attendance.

Notes to physician Treat symptomatically.

Section 5: Fire-Fighting Measures

Suitable extinguishing media Carbon dioxide (CO2)

Unsuitable extinguishing media Water

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Specific extinguishing methods

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire- In the event of fire, wear self-contained breathing apparatus. **fighters**

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency

procedures

Use personal protective equipment. Deny access to unprotected persons.

Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities. 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 (e.g. sand, silica gel, acid binder,

universal binder, sawdust).

Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Advice on safe handling Do not breathe vapors or spray mist.

Avoid exceeding the given occupational exposure limits (see section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

Conditions for safe storage

Prevent unauthorized access. Store in original container. Keep in a well-ventilated place. Observe label precautions.

Store in accordance with local regulations.

Materials to avoid No data available

Section 8 - Exposure Controls/Personal Protection

Component	CAS-No.	Basis **	Value	Exposure limit(s)* / Form of exposure
Quartz (SiO2)	14808-60-7	OSHA Z-3	TWA	10 mg/m3 / %SiO2+2 respirable
		OSHA Z-3	TWA	250 mppcf / %SiO2+5 respirable
		OSHA PO	TWA	0.1 mg/m3 Respirable fraction
		ACGIH	TWA	0.025 mg/m3 Respirable fraction
		OSHA Z-1	TWA	0.05 mg/m3 Respirable dust

^{*}The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Basis

ACGIH. Threshold Limit Values (TLV)

OSHA Po. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

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Engineering measures

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protective equipment

complying with an approved standard if a risk assessment indicates this is

necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained

breathing apparatus must be used.

Hand protection 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.

Eye protection Safety eyewear complying with an approved standard should be used when a risk

assessment indicates this is necessary.

Skin and body protection Choose body protection in relation to its type, to the concentration and amount of

dangerous substances, and to the specific work-place.

Hygiene measures Avoid contact with skin, eyes and clothing.

Wash hands before breaks and immediately after handling the product.

Remove respiratory and skin/eye protection only after vapors have been cleared

from the area.

Remove contaminated clothing and protective equipment before entering eating

areas.

Section 9 - Physical and Chemical Properties

Appearance	Paste	Melting point/ range / Freezing point	No data available
Color	Dark bronze	Boiling point/ boiling range	No data available
Odor	None	Vapor pressure	0.01 mmHg (0.01 hpa)
Odor Threshold	No data available	Density	1.46 g/cm3 at 74.7 °F (23.7 °C)
Flash point	176 °F (80 °C)	Water solubility	Note: insoluble
Ignition temperature	No data available	Partition coefficient: noctanol/ water	No data available
Decomposition temperature	No data available	Viscosity, dynamic	No data available
Lower explosion limit (Vol%)	No data available	Viscosity, kinematic	> 20.5 mm2/s
Upper explosion limit (Vol%)	No data available	Relative vapor density	No data available
Flammability (solid, gas)	No data available	Evaporation rate	No data available
Oxidizing properties	No data available	Burning rate	No data available
рН	Note: Not applicable	Volatile organic compounds (VOC) content	13 g/l

Section 10: Stability and Reactivity

Reactivity No dangerous reaction known under conditions of normal use.

Chemical stability The product is chemically stable.

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Possibility of hazardous reactions Stable under recommended storage conditions.

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible materialsNo data available

Section 11 - Toxicological Information

Acute toxicity Not classified based on available information.

Ingredients:

trimethoxyvinylsilane:

Acute oral toxicity LD50 Oral (Rat): ca. 7,120 mg/kg

Acute inhalation toxicity LC50: ca. 16.8 mg/l Exposure time: 4 h

Test atmosphere: dust/mist

Acute dermal toxicity LD50: 3,540 mg/kg

Skin corrosion/irritationNot classified based on available information. **Serious eye damage/eye irritation**Not classified based on available information.

Respiratory or skin sensitization Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Germ cell mutagenicityNot classified based on available information.Reproductive toxicityNot classified based on available information.STOT-single exposureNot classified based on available information.

STOT-repeated exposure May cause damage to organs (Bladder) through prolonged or repeated exposure.

Aspiration toxicity Not classified based on available information.

Carcinogenicity May cause cancer by inhalation.

IARC Group 1: Carcinogenic to humans

Quartz (SiO2) 14808-60-7

NTP Known to be human carcinogen

Quartz (SiO2) 14808-60-7

Section 12 - Ecological Information

Other information Do not empty into drains; dispose of this material and its container in a safe way.

Avoid dispersal of spilled material and runoff and contact with soil, waterways,

drains and sewers.

Section 13 - Disposal Considerations

Disposal methods

Waste from residues 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.

Contaminated packaging Empty containers should be taken to an approved waste handling site for

recycling or disposal.

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Section 14 - Transport Information

DOT Not dangerous goods

IATA Not dangerous goods

IMDG Not dangerous goods

Special precautions for user No data available

Transport in bulk according to Annex Not applicable

II of MARPOL 73/78 and the IBC Code

Section 15 - Regulatory Information

TSCA list All chemical substances in this product are either listed on the TSCA Inventory or

are in compliance with a TSCA Inventory exemption.

EPCRA - Emergency Planning and

Community Right-to-Know CERCLA Reportable Quantity This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards Flammable (gases, aerosols, liquids, or solids)

Carcinogenicity

Specific target organ toxicity (single or repeated exposure)

SARA 302 This material does not contain any components with a section 302 EHS TPQ.

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.

Clean Air Act

Ozone-Depletion Potential

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by

the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

California Prop 65 ▲ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Section 16 - Other Information

HMIS Classification



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Preparation Date: 07/18/2018 **Last Revision Date:**

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