

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
Product Name / Trade Name	RT-Econo Filler SL
CAS No.	Mixture

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

Identified Use(s)	Industrial Flooring Filler
Uses Advised Against	None

**Details of the supplier of the safety data sheet**

Company Identification	Res-Tek, Inc. 110 Riverside Drive Cartersville, Georgia 30120 United States of America
Telephone	1-888-737-8351 / 1-770-427-4034

**Emergency telephone number**

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	STOT RE 1; Carc. 1A
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**Label elements**

Hazard Symbol(s)



Signal Word(s)

**DANGER**

Hazard Statement(s)

May cause cancer.  
Causes damage to organs through prolonged or repeated exposure: Lungs

Precautionary Statement(s)

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not breathe dust.  
Wash hands and exposed skin after use.  
Do not eat, drink or smoke when using this product.

**Other hazards**

Particles may cause eye irritation by mechanical action. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

**Additional Information**

Control dust formation.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Crystalline silica	95 - 100	14808-60-7	Carc. 1A; H350 STOT RE 1; H372
Proprietary Wetting Agent	0.1 - 10	Proprietary	Aquatic Acute 1; H400 Aquatic Chronic 1; H410

For full text of H phrases see section 16.

**Additional Information** - None

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Keep patient at rest and give oxygen if breathing difficult. If symptoms continue, get medical attention. Get medical advice/attention if you feel unwell.
Skin Contact	Gently wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	Not normally required. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
<b>Most important symptoms and effects, both acute and delayed</b>	None known
<b>Indication of any immediate medical attention and special treatment needed</b>	None known

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	Non-combustible. As appropriate for surrounding fire.
-Unsuitable Extinguishing Media	None anticipated.

### Special hazards arising from the substance or mixture

None known

### Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid skin contact. Do not get in eyes. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust.

### Environmental precautions

Do not allow to enter drains, sewers or watercourses.

**Methods and material for containment and cleaning up**

Sweep spilled substances into containers. Moisten first to prevent dusting. Transfer to a container for disposal or recovery. Wash the spillage area with water. Do not allow to enter drains, sewers or watercourses.

**Reference to other sections**

None

**Additional Information**

Inhalable size dust particles may be released under certain conditions of handling. This dust may contain crystalline silica dust which: Causes damage to organs: Lungs (silicosis) and May cause cancer: Lungs

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid skin contact. Do not get in eyes. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust. Do not use in areas without adequate ventilation.

**Conditions for safe storage, including any incompatibilities**

- Storage temperature: Ambient temperatures.
- Incompatible materials: None known.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Crystalline Silica (respirable particulate)	14808-60-7	0.05 mg/m <sup>3</sup> (Respirable)	0.025 mg/m <sup>3</sup> ^ (Respirable)	-----	-----	See below
		0.025 mg/m <sup>3</sup> (Respirable Actionable)				
Proprietary Wetting Agent	Proprietary	3 mg/m3	3 mg/m3	----	----	----

^Suspected Human Carcinogen; \*Refer to OSHA 29 CFR 1910.1000 & 29 CFR 1926.55; 8hr TWA = 8 hour time-weighted average; TLV = Threshold Limit Value; STEL = Short Term Exposure Limit; PEL = Permissible Exposure Limit

**Exposure controls**

**Appropriate engineering controls**

Use only outdoors or in a well-ventilated area. Control dust formation.

**Personal protection equipment**

Eye/face protection

The following to be used as necessary: Safety Glasses



Skin protection (Hand protection/ Other)

The following to be used as necessary: Leather or thick textile gloves.



Respiratory protection



Inhalable size dust particles may be released under certain conditions of handling. Respiratory protection may be needed if occupational exposure limits are exceeded. Air-purifying respirator with particulate filter may be sufficient. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required.

**Environmental Exposure Controls**

Not normally required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid, powder and granules
Color	White to Beige
Odor	None
Odor Threshold (ppm)	Not applicable.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	1704 (3,100 °F)
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	Non-combustible
Evaporation Rate	Not available.
Flammability (solid, gas)	Non-combustible
Explosive Limit Ranges	Non-combustible
Vapor pressure (Pascal)	Not applicable.
Vapor Density (Air=1)	Not applicable.
Density (g/ml)	2.65 (22.12 lbs./gallon)
Specific Gravity	2.65
Solubility (Water)	3.2 mg/l @ 20°C (Proprietary Wetting Agent)
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	Non-combustible
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

### Other information

Not available.

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	Contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires.
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Powerful oxidizers such as fluorine, chlorine trifluoride, and oxygen difluoride and hydrofluoric acid.
<b>Hazardous decomposition product(s)</b>	Silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

Crystalline Silica (CAS# 614808-60-7):

Acute toxicity

LD50 (rat): >5000 mg/kg bw

LD50 (dermal): >2000 mg/kg bw

LC50 (inhalation, fume): >94.4 mg/m<sup>3</sup> - Causes damage to organs: Lungs (silicosis)

Irritation/Corrosivity	Not to be expected
Sensitization	Not to be expected
Repeated dose toxicity	Causes damage to organs through prolonged or repeated exposure: Lungs (silicosis)
Carcinogenicity	May cause cancer. Lungs

NTP	IARC	ACGIH	OSHA
No.	Group 1	A2	Yes.

Group 1 = Carcinogenic to humans. A2 = Suspected Human Carcinogen. When present as respirable particles

Mutagenicity	Not to be expected.
Reproductive toxicity	Not to be expected.

**Proprietary Wetting Agent (CAS No. Proprietary)**

Acute toxicity	LD50 (oral, rat): >5000 mg/kg bw LD50 (dermal, rat): >2000 mg/kg bw LC50 (inhalation, rat): >0.4 mg/l
Irritation/Corrosivity	Not to be expected.
Sensitization	Not to be expected.
Mutagenicity	Not to be expected.
Repeated dose toxicity	Not to be expected.
Carcinogenicity	Not to be expected.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Mutagenicity	Not to be expected.
Reproductive toxicity	Not to be expected.
Teratogenicity	Not to be expected.
Specific Target Organ Toxicity (STOT) – Single Exposure	Not to be expected.
Specific Target Organ Toxicity (STOT) – Repeated Exposure	Not to be expected.
Aspiration hazard	Not to be expected.
Neurotoxicity	Not to be expected.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Proprietary Wetting Agent (CAS No. Proprietary)**

Short term	LL50 (48 hour): 0.8 mg/l (Fish) LL50 (48 hour): 202 µg/L (Aquatic Invertebrates)
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Long Term	No data
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**Persistence and degradability**

Readily biodegradable

**Bioaccumulative potential**

The whole fish BCF was found to be 1850

**Mobility in soil**

The product has low mobility in soil.

**Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information**

None known.

## SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name		Not classified as dangerous for transport.	
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable			

## SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: None

Fire    Sudden Release    Reactivity    Immediate (acute)    Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
Crystalline Silica	14808-60-7	55-75	Cancer

 **WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: March 28, 2016

Hazard Statement(s) Listed in: SECTION 3

- H350: May cause cancer.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

Additional Information: None.

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