

# SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
Product Name / Trade Name	PUR-Guard™ Filler Part C; HD-SL, HD-SLE, HD-T, & HD-CB
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) Eye Dam. 1; Skin Irrit. 2 / Skin Corr. 1C; Skin Sens. 1B; STOT SE 3; Carc. 1A; STOT RE 1

**Label elements**

**Hazard Symbol**



**DANGER**

**Signal Word(s)**

**Hazard Statement(s)**

Causes skin irritation. / Causes burns to skin in presence of moisture.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
May cause respiratory irritation.  
May cause cancer by inhalation.  
Causes damage to the lungs through repeated or prolonged exposure.

**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.  
Contaminated work clothing should not be allowed out of the workplace.

**Other hazards**

None

**Additional Information**

None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Quartz, Crystalline Silica	50 - 90	14808-60-7	STOT RE 1; H372 Carc. 1A; H350
Portland Cement	10 - 50	65997-15-1	Skin Irrit. 2; H315 ** Eye Dam. 1; H318 Skin Sens. 1; H317 STOT SE 3; H335
Calcium magnesium tetrahydroxide	2 - 20	39445-23-3	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335
Calcium magnesium dihydroxide oxide	2 - 20	58398-71-3	
Calcium Hydroxide	6 - 12	1305-62-0	

\*\* Causes burns to skin and eyes in presence of moisture.

For full text of H phrases see section 16.

**Additional Information** - None

**SECTION 4: FIRST AID MEASURES**



**Description of first aid measures**

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Treat symptomatically.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice / attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Treat symptomatically.
<b>Most important symptoms and effects, both acute and delayed</b>	May cause an allergic skin reaction. Causes burns to skin and eyes in presence of moisture.
<b>Indication of any immediate medical attention and special treatment needed</b>	None anticipated.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.  
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**

Do not get in eyes. Avoid contact with skin. Avoid dust generation. Avoid breathing dust. Wear protective gloves/eye protection. Respiratory protection may be required under exceptional circumstances when excessive air contamination exists.

**Environmental precautions**

Washings must be prevented from entering surface water drains.

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

Sweep spilled substances into containers if appropriate moisten first to prevent dusting.

**Reference to other sections**  
**Additional Information**

None  
None

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

Wear protective gloves/eye protection/face protection. Do not breathe dust. Wash hands and exposed skin after use. Contaminated work clothing should not be allowed out of the workplace.

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

-Storage temperature  
-Incompatible materials

Ambient temperatures.  
Water

**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)	
Portland cement	65997-15-1	15 mg/m3 <sup>(T)</sup> 5 mg/m3 <sup>(R)</sup>	1 mg/m3 <sup>(R)</sup>	-----	-----	-----
Calcium hydroxide	1305-62-0	15 mg/m3	15 mg/m3	-----	-----	-----
Crystalline Silica <sup>(R)</sup>	14808-60-7	0.050 mg/m3 <sup>(R)</sup> *	0.025 mg/m3 <sup>^</sup>	-----	-----	See below

<sup>(R)</sup>Respirable fraction; \* OSHA Carcinogen - employers must ensure compliance with OSHA 29 CFR 29 CFR 1910.1053 or 1926.1153 - Respirable Crystalline Silica, as applicable.; <sup>^</sup>Suspected Human Carcinogen; TWA = 8 hour time-weighted average; STEL = Short Term Exposure Limit.

**Exposure controls**

**Appropriate engineering controls**

Not normally required.

**Personal protection equipment**

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)



Impervious gloves and boots. As needed, wear disposable coveralls. Prevent dust from getting under protective clothing.

Respiratory protection



**Dust formation:** In case of inadequate ventilation wear respiratory protection. Dust mask covering nose and mouth. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required.

**Environmental Exposure Controls**

Prevent entry into drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Appearance	Solid / Powder
Color.	Off-white
Odor	Not available
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not applicable
Flash Point (°C)	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Non-combustible solid
Explosive Limit Ranges	Not applicable
Vapour pressure (mmHg)	Not applicable
Vapour Density (Air=1)	Not applicable
Density (g/ml)	Not available
Specific Gravity	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Non-combustible solid
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
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>	May react violently with: strong acids
<b>Conditions to avoid</b>	Incompatible materials
<b>Incompatible materials</b>	Strong acids
<b>Hazardous decomposition product(s)</b>	None known

**SECTION 11: TOXICOLOGICAL INFORMATION**

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

**Information on toxicological effects**

Portland Cement:

Acute toxicity	Not acutely toxic.
Irritation/Corrosivity	Causes serious eye damage. Causes skin irritation. / Causes burns to skin in presence of moisture. May cause respiratory irritation.
Sensitization	May cause an allergic skin reaction.
Repeated dose toxicity	Not to be expected.
Carcinogenicity	Not to be expected at typical road paving temperatures.

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

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

Crystalline Silica (quartz)

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); respirable / inhalable size only
Carcinogenicity	May cause cancer. Lungs; respirable / inhalable size only

NTP	IARC	ACGIH	OSHA
No.	Yes. *	A2 *	Yes. *

\* respirable / inhalable size only

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

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Short term	Not acutely toxic
Long Term	Not to be expected.

**Persistence and degradability**

The product is not biodegradable.

**Bioaccumulative potential**

The product has no potential for bioaccumulation.

**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**

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>			
<b>Proper Shipping Name</b>	Not classified as dangerous for transport.		
<b>Transport hazard class(es)</b>			
<b>Packing group</b>			
<b>Environmental hazards</b>			
<b>Special precautions for user</b>			

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: See SECTION 2 - HAZARDS IDENTIFICATION

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.	RQ (Pounds)	TPQ (Pounds)
None	-----	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
Crystalline Silica (R)	14808-60-7	50 - 90	Cancer

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 2,3, 8, 15, and 16

Date of preparation: March 13, 2018

Hazard Statement(s) Listed in: SECTION 3

- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H317: May cause an allergic skin reaction.
- H335: May cause respiratory irritation.
- H350: May cause cancer.
- H372: Causes damage to organs through prolonged or repeated exposure.

Additional Information: None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.