

## SECTION 1 - IDENTIFICATION

<b>Trade Names:</b>	Urethane Flexible Grout
<b>Common Names:</b>	Polyurethane-Quartz based grout
<b>Product Name(s) Covered:</b>	See Section 16 for product names covered
<b>Product Use:</b>	Grout
<b>Manufacturer:</b>	Bostik, Inc., 113 Watertown Plank Rd., Wauwatosa, WI 53226
<b>Telephone:</b>	General Assistance Telephone: 1-800-843-0844 24 Hour Emergency Telephone: 1-800-227-0332 / 1-703-527-3887 (outside US) MSDS Assistance Telephone: 1-800-843-0844
<b>Manufactured for:</b>	CoMc, LLC (SnapSys, SnapStone, Avaire, Eclipse, ZipTile) 13423 F St., Omaha, NE 68137
<b>Telephone:</b>	1-877-263-5861   <b>Fax:</b> 402-614-0207   <b>Text:</b> 402-305-1961

## SECTION 2 - HAZARD(S) IDENTIFICATION

Urethane Flexible Grout, unlike traditional grout, uses a polyurethane copolymer to bind the sand component into a pliable, non-hardening matrix resulting in a product with low/no dust-producing potential.

**Classification:** This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Acute toxicity – Oral: Category 4

### GHS Label elements, including precautionary statements

#### Emergency Overview

Urethane Flexible Grout is a mud/fine aggregate blend having mortar-like texture and a slight odor. This material may produce respiratory irritation during use due to the evaporation of the polyurethane bonding agent. Eye and skin contact with the uncured product should also be avoided (See section 8 – Exposure Controls/Personal Protection).

<b>Signal Word:</b>	Warning
<b>Hazard Statement:</b>	Harmful if Swallowed
<b>Appearance:</b>	Varies by color
<b>Physical State:</b>	Paste Liquid
<b>Odor:</b>	Characteristic



#### Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product

#### Precautionary Statements – Response

<b>Ingestion:</b>	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. If swallowed call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
<b>Inhalation:</b>	This product may cause dizziness, headache, or nausea if used in a poorly ventilated area due to the evaporation of the polyurethane bonding agent as the product dries/cures.
<b>Eye Contact:</b>	Eye contact may cause severe irritation.
<b>Skin Contact:</b>	May cause drying or irritation to the skin.
<b>Acute Effects:</b>	Eye irritation, drying of the skin, nausea, dizziness, or headaches.

*See Section 11, Toxicological Information, for additional details on potential adverse health effects.*

### Precautionary Statements - Storage

None

### Precautionary Statements - Disposal

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

### Hazards not otherwise classified (HNOC)

Not applicable.

### Unknown Toxicity

8.19% of the mixture consists of ingredient(s) of unknown toxicity.

### Other Information

No Information Available

### Interactions with Other Chemicals

No Information Available

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## **SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

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This product may contain slightly varying concentrations of the following:

<b>Chemical name</b>	<b>CAS No.</b>	<b>% by Wt</b>	<b>OSHA PEL (mg/m3)</b>	<b>ACGIH TLV (mg/m3)</b>
Silica Quartz*	14808-60-7	57.3	10mg/m3 - %SiO <sub>2</sub> +2	0.025
Polymer Blend	N/A	9.1	Not Established	Not Established
Glass, Soda Lime	65997-17-3	21.9	Not Established	Not Established
Water	7732-18-5	11.7	Not Established	Not Established

\* Exposure Limits for silica refer to the respirable fraction

*Urethane Flexible Grout is composed primarily of sand that is bound in a polyurethane matrix, resulting in a pliable, non-hardening, encapsulated product. Under conditions of its intended use and handling, the use of this product will not result in the occupational exposure of employees to airborne dust in excess of applicable regulatory standards. The crystalline silica contained in Urethane Flexible Grout, as delivered, cannot be inhaled. Crystalline silica will only produce lung damage if inhaled.*

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## **SECTION 4 - FIRST AID MEASURES**

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**General Advice:** Show this safety data sheet to the doctor in attendance.

**Eye Contact:** Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

**Skin Contact:** Wash with Soap and Water

**Inhalation:** Remove to fresh air, obtain medical attention, and perform artificial respiration if needed.

**Ingestion:** Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

### Most important symptoms and effects, both acute and delayed

**Most Important Symptoms and Effects:** No Information available

### Indication of any immediate medical attention and special treatment needed

**Notes to Physician:** Treat symptomatically.

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## SECTION 5 - FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

No information available.

**Uniform Fire Code:** Combustible Liquid: III-B

### Hazardous Combustion Products

Carbon oxides.

### Explosion Data

**Sensitivity to Mechanical Impact:** No

**Sensitivity to Static Discharge:** No

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Flashpoint:** >200oF (93.3oC)

**Explosive Limits:** Not Combustible

**Autoignition Temperature:** None

**Unusual Fire and Explosion Habits:** None

**Hazardous Combustion Products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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### Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Avoid contact with eyes. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

**Other Information:** Refer to protective measures listed in Sections 7 and 8.

### Environmental Precautions

**Environmental Precautions:** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Stop source leak if possible. Contain the discharged material.

**Methods for cleaning up:** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Thoroughly clean area where spill occurred. Ventilate area of spill.

### Other Information

**Emergency Action:** Do not allow product to enter sewer or waterways. Follow all State, Local, Federal and Provincial regulations for disposal. Regulations vary. Consult local authorities before disposal.

**Reporting:** See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

## SECTION 7 - HANDLING AND STORAGE

### Precautions for safe handling

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. Avoid breathing vapors or mists of this product. Wash hands after handling and before eating.

### Conditions for safe storage, including any incompatibilities

**Storage:** Keep in a dry, cool and well-ventilated place. Keep away from heat. Keep away from direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Keep out of reach of children

**Incompatible Products:** None known based on information supplied.

**Empty Container Precaution:** Follow label warnings even after container is emptied since empty containers may retain product residues.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Urethane Flexible Grout, as delivered, is an encapsulated product in which the sand component (crystalline silica) is bound in a polymer matrix. The sand contained in this product cannot be inhaled under conditions of intended product use.

### Control parameters

#### Exposure Guideline:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	TWA: 0.1 mg/m <sup>3</sup> (vacated)	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Glass, oxide 65997-17-3	TWA: 1 fiber/cm <sup>3</sup> respirable fibers: length >5 µm, aspect ratio ≥3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m <sup>3</sup> inhalable fraction	-	

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

**Other Exposure Guideline:** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

### Appropriate engineering controls

**Engineering Measures:** Showers, Eyewash stations , Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection:** Use ANSI approved protection as appropriate for the task at hand, including goggles or safety glasses with side shields.

**Skin and Body Protection:** Wear protective gloves and protective clothing.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**Respiratory Protection:** Avoid breathing vapors produced during the use and handling of this product. Consult with OSHA regulations and NIOSH recommendations to determine the appropriate NIOSH-approved respiratory protection to wear during and following use, including clean-up, of this product.

**Ventilation:** Use general dilution or local exhaust as required to maintain exposures below the occupational exposure limits; see also ACGIH, Industrial Ventilation – Recommended Practice (latest edition).

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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### Physical and Chemical Properties

<b>Physical State</b>	Paste, Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Mortar-like mud	<b>Odor Threshold</b>	No information available
<b>Color</b>	Varies by color		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>pH</b>	8.3	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	100 °C / 212 °F	None known	
<b>Flash Point</b>	> 94 C / 201 F	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	< 17mm-Hg	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	No data available	None known	
<b>Water Solubility</b>	Soluble in water	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive properties</b>	Not combustible		
<b>Oxidizing Properties</b>	No data available		

### Other Information

<b>Softening Point</b>	No data available
<b>VOC Content (%)</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available

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## SECTION 10 - STABILITY AND REACTIVITY

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### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

None known based on information supplied.

### Hazardous Decomposition Products

Carbon oxides. Silica dissolves in hydrofluoric acid to produce a corrosive gas; silicon tetrafluoride.

### Materials to Avoid

Strong Oxidizers such as fluorine, chlorine trifluoride, and oxygen difluoride.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Urethane Flexible Grout, as delivered, is an encapsulated product in which the sand component (Silica Quartz) is bound in a polymer matrix. The sand contained in this product cannot be inhaled under conditions of intended product use.
<b>Eye Contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin Contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components).

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz 14808-60-7	= 500 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2	Group 1	Known	X
Glass, oxide 65997-17-3		Group 3		

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure. Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from chronic or repeated exposure. (STOT RE).

**Chronic Toxicity** No known effect based on information supplied. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

**Target Organ Effects** Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Lungs. Kidney.

**Aspiration Hazard** No information available.

### Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 873.00 mg/kg

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## SECTION 12 – ECOLOGICAL INFORMATION

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### Ecotoxicity

The environmental impact of this product has not been fully investigated. (Polymer Blend) Fish Toxicity; LC50 >500 mg/l – Estimate, based on analogy to similar products. Avoid contamination of groundwater or waterways.

### Persistence and Degradability

No information available.

### Bioaccumulation

No information available

### Other adverse effects

No information available.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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### Waste treatment methods

#### **Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Unused product should be disposed of in accordance with Federal, State, or local regulations.

#### **Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

**California Hazardous Waste Codes** 331

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## SECTION 14 – TRANSPORT INFORMATION

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<b>DOT</b>	NOT REGULATED
<b>Proper Shipping Name</b>	NON REGULATED
<b>Hazard Class</b>	N/A

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

<b>IATA</b>	Not regulated
<b>Proper Shipping Name</b>	NOT REGULATED
<b>Hazard Class</b>	N/A

<b>IMDG/IMO</b>	Not regulated
<b>Hazard Class</b>	N/A

**RID** Not regulated

**ADR** Not regulated

**AND** Not regulated

## SECTION 15 – REGULATORY INFORMATION

### International Inventories

TSCA Complies  
DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard

##### Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Quartz - 14808-60-7	Carcinogen

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Quartz 14808-60-7	X	X	X		

### International Regulations

#### **Mexico**

##### **National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Quartz 14808-60-7 ( 30 - 60 )		Mexico: TWA= 0.1 mg/m <sup>3</sup>

*Mexico - Occupational Exposure Limits - Carcinogens*

#### **Canada**

##### **WHMIS Hazard Class**

Non-controlled



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## SECTION 16 – OTHER INFORMATION

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NFPA	Health Hazards 1	Flammability 1	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazards 1	Flammability 1	Physical Hazard 0	Personal Protection X

Urethane Flexible Grout, as delivered, is an encapsulated product in which the sand component (Silica Quartz) is bound in a polymer matrix. The sand contained in this product cannot be inhaled under conditions of intended product use.

More information on the effects of crystalline silica exposure may be obtained from the Occupational Safety and Health Administration (OSHA) (phone number: 1-800-321-OSHA; website: <http://www.osha.gov>) or from the National Institute for Occupational Safety and Health (NIOSH) (phone number: 1-800-35-NIOSH; website: <http://www.cdc.gov/niosh>).

### Products covered in this SDS

SS9120 - HIGH WHITE 9LB	SSA9240 - LINEN/CHENIN 9LB
SS9143 - FRENCH WHITE 9LB	SSA9245 - WHEAT/JANNA 9LB
SS9145 - BONE 9LB	SSA9255 - BUFF/ANACARDO 9LB
SS9165 - ANTIQUE WHIT 9LB	SSA9260 - HAYSTCK/SUNDANC 9LB
SS9224 - MUSHROOM 9LB	SSA9272 - DARK MOCHA/CAFE 9LB
SS9230 - ALMOND 9LB	SSA9283 - HEMP/CASTANA/BARK 9LB
SS9255 - SOLID BUFF 9LB	SSA9290 - CHESTNUT/SHADOW 9LB
SS9272 - DARK MOCHA 9LB	SSA9370 - RAINCLD/EVNG MST 9LB
SS9283 - HEMP 9LB	SSA9380 - CHARCOAL/CARBON 9LB
SS9290 - CHESTNUT 9LB	SSA9499 - BLACK/MIDNIGHT 9LB
SS9320 - SILVER GRAY 9LB	SSH9224 - MUSHRM/BIANCO 9LB
SS9340 - SOLID GRAY 9LB	SSH9230 - ALMOND/TAUPE 9LB
SS9370 - RAINCLD GRAY 9LB	SSH9283 - HEMP/SIENNA 9LB
SS9499 - JET BLACK 9LB	SSL9145 - BONE 9LB
SS9520 - SOLID RED 9LB	SSL9165 - ANTIQUE WHITE 9LB
SSA9120 - HGH WHT/BRT WHT 9LB	SSL9224 - MUSHROOM 9LB
SSA9145 - BONE/MOSO 9LB	SSL9230 - ALMOND 9LB
SSA9165 - ANTIQU/BLNC NAT 9LB	SSL9283 - BARK 9LB
SSA9224 - MUSHRM/CHAMPINN 9LB	SSL9370 - RAINCLOUD 9LB
SSA9230 - ALMOND/ALMENDRA 9LB	

**Disclaimer:** The data in this SDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. 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 which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this SDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

### **Further information:**

If there are any characters following an individual item number, they are just designations for the various types of packaging that are available for this product. For example, a product "G12345-XX" is item number "G12345" with a packaging designation of "XX". These characters do not indicate a different product nor a different regulatory, health, safety and/or environmental status. This document covers the item numbers listed above for all of their packaging types.

**Notice to Reader:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier 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.

## End of Safety Data Sheet