Safety Data Sheet

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Version Number: 4.03
Supercedes Date: 02/05/18

SECTION 1: Identification

1.1. Product identifier
3M™ ESPE™ FILTEK™ BULK FILL FLOWABLE RESTORATIVE

Product Identification Numbers

1.2. Recommended use and restrictions on use

Recommended use
Dental Product, Bulk fill flowable restorative

Restrictions on use
For use only by dental professionals

1.3. Supplier’s details

MANUFACTURER: 3M
DIVISION: Oral Care Solutions Division
ADDRESS: 3M Center, St. Paul, MN  55144-1000, USA
Telephone: 1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure.

2.1. Hazard classification
Skin Sensitizer: Category 1B.

2.2. Label elements
Signal word
Warning

Symbols
Exclamation mark |

Pictograms

Hazard Statements
May cause an allergic skin reaction.

Precautionary Statements

Prevention:
Wear protective gloves.
Contaminated work clothing must not be allowed out of the workplace.

Response:
IF ON SKIN:  Wash with plenty of soap and water.
If skin irritation or rash occurs:  Get medical advice/attention.
Wash contaminated clothing before reuse.

Disposal:
Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>% by Wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILANE TREATED CERAMIC</td>
<td>444758-98-9</td>
<td>50 - 60</td>
</tr>
<tr>
<td>DIURETHANE DIMETHACRYLATE (UDMA)</td>
<td>72869-86-4</td>
<td>10 - 20</td>
</tr>
<tr>
<td>SUBSTITUTED DIMETHACRYLATE</td>
<td>27689-12-9</td>
<td>10 - 20</td>
</tr>
<tr>
<td>BISPHENOL A POLYETHYLENE GLYCOL DIETHER DIMETHACRYLATE (BISEMA-6)</td>
<td>41637-38-1</td>
<td>1 - 10</td>
</tr>
<tr>
<td>YTTERBIUM FLUORIDE (YbF3)</td>
<td>13760-80-0</td>
<td>1 - 10</td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>1565-94-2</td>
<td>1 - 10</td>
</tr>
<tr>
<td>BENZOTRIAZOL</td>
<td>96478-09-0</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)</td>
<td>109-16-0</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>ETHYL 4-DIMETHYL AMINOBENZOATE</td>
<td>10287-53-3</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Remove person to fresh air. If you feel unwell, get medical attention.

**Skin Contact:**
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

**If Swallowed:**
Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**
See Section 11.1. Information on toxicological effects.

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

### 5.2. Special hazards arising from the substance or mixture
None inherent in this product.

### Hazardous Decomposition or By-Products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>During Combustion</td>
</tr>
<tr>
<td>Carbon dioxide</td>
<td>During Combustion</td>
</tr>
</tbody>
</table>

### 5.3. Special protective actions for fire-fighters
No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions
Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up
Contain spill. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage
7.1. Precautions for safe handling
A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities
Store away from heat. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>C.A.S. No.</th>
<th>Agency</th>
<th>Limit type</th>
<th>Additional Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLUORIDES</td>
<td>13760-80-0</td>
<td>ACGIH</td>
<td>TWA(as F):2.5 mg/m³</td>
<td>A4: Not class. as human carcin</td>
</tr>
<tr>
<td>FLUORIDES</td>
<td>13760-80-0</td>
<td>OSHA</td>
<td>TWA(as dust):2.5 mg/m³; TWA(as F):2.5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls
Use in a well-ventilated area.

8.2.2. Personal protective equipment (PPE)

Eye/face protection
Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety Glasses with side shields

Skin/hand protection
See Section 7.1 for additional information on skin protection.

Respiratory protection
None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
General Physical Form: Liquid
Specific Physical Form: Viscous liquid-like paste
Odor, Color, Grade: Slight acrylate odor, tooth colored
Odor threshold No Data Available
pH Not Applicable
Melting point No Data Available
Boiling Point Not Applicable
Flash Point Flash point > 93 °C (200 °F)
Evaporation rate No Data Available
Flammability (solid, gas) Not Applicable
Flammable Limits(LEL) Not Applicable
Flammable Limits(UEL) Not Applicable
Vapor Pressure Not Applicable
Vapor Density Not Applicable
Density 1.5 g/cm³
Specific Gravity 1.5 [Ref Std: WATER=1]
Solubility in Water Negligible
Solubility- non-water No Data Available
Partition coefficient: n-octanol/ water No Data Available
Autoignition temperature No Data Available
Decomposition temperature No Data Available
Viscosity No Data Available
Molecular weight No Data Available
Volatile Organic Compounds No Data Available

SECTION 10: Stability and reactivity

10.1. Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Heat

10.5. Incompatible materials
Strong oxidizing agents

10.6. Hazardous decomposition products

<table>
<thead>
<tr>
<th>Substance</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known.</td>
<td></td>
</tr>
</tbody>
</table>

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be
present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure. The information below represents toxicological information associated with the individual components of the uncured product. Once properly mixed and/or cured, the product is safe for its intended use.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:
This product may have a characteristic odor; however, no adverse health effects are anticipated.

Skin Contact:
Contact with the skin during product use is not expected to result in significant irritation. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye Contact:
Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion:
May be harmful if swallowed.
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

<table>
<thead>
<tr>
<th>Acute Toxicity</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall product</td>
<td>Dermal</td>
<td>No data available; calculated ATE &gt; 5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Overall product</td>
<td>Ingestion</td>
<td>No data available; calculated ATE 2,000 - 5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>SILANE TREATED CERAMIC</td>
<td>Dermal</td>
<td>LD50 estimated to be &gt; 5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>SILANE TREATED CERAMIC</td>
<td>Ingestion</td>
<td>LD50 estimated to be 2,000 - 5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>SUBSTITUTED DIMETHACRYLATE</td>
<td>Dermal</td>
<td>Professio nal judgement</td>
<td>LD50 estimated to be &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>SUBSTITUTED DIMETHACRYLATE</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 &gt; 17,600 mg/kg</td>
</tr>
<tr>
<td>DIURETHANE DIMETHACRYLATE (UDMA)</td>
<td>Dermal</td>
<td>Professio nal judgement</td>
<td>LD50 estimated to be &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>DIURETHANE DIMETHACRYLATE (UDMA)</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>YTTERBIUM FLUORIDE (YbF3)</td>
<td>Dermal</td>
<td>Professio nal judgement</td>
<td>LD50 estimated to be &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>YTTERBIUM FLUORIDE (YbF3)</td>
<td>Ingestion</td>
<td>Rat</td>
<td>LD50 &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>Ingestion</td>
<td>LD50 estimated to be 2,000 - 5,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>Dermal</td>
<td>Professio nal judgement</td>
<td>LD50 estimated to be 2,000 - 5,000 mg/kg</td>
</tr>
</tbody>
</table>
**Skin Corrosion/Irritation**

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILANE TREATED CERAMIC similar compounds</td>
<td>No significant irritation</td>
<td></td>
</tr>
<tr>
<td>SUBSTITUTED DIMETHACRYLATE Rabbit</td>
<td>No significant irritation</td>
<td></td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) Not available</td>
<td>Minimal irritation</td>
<td></td>
</tr>
<tr>
<td>ETHYL 4-DIMETHYL AMINOBENZOATE Rabbit</td>
<td>No significant irritation</td>
<td></td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) Guinea pig</td>
<td>Mild irritant</td>
<td></td>
</tr>
</tbody>
</table>

**Serious Eye Damage/Irritation**

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILANE TREATED CERAMIC similar compounds</td>
<td>Mild irritant</td>
<td></td>
</tr>
<tr>
<td>SUBSTITUTED DIMETHACRYLATE Rabbit</td>
<td>Mild irritant</td>
<td></td>
</tr>
<tr>
<td>YTTERBIUM FLUORIDE (YbF₃) Professio nal judgement</td>
<td>Mild irritant</td>
<td></td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) Not available</td>
<td>Moderate irritant</td>
<td></td>
</tr>
<tr>
<td>ETHYL 4-DIMETHYL AMINOBENZOATE Rabbit</td>
<td>Mild irritant</td>
<td></td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) Professio nal judgement</td>
<td>Moderate irritant</td>
<td></td>
</tr>
</tbody>
</table>

**Skin Sensitization**

<table>
<thead>
<tr>
<th>Name</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILANE TREATED CERAMIC similar compounds</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>SUBSTITUTED DIMETHACRYLATE Guinea pig</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>DIURETHANE DIMETHACRYLATE (UDMA) Guinea pig</td>
<td>Sensitizing</td>
<td></td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA) Guinea pig</td>
<td>Sensitizing</td>
<td></td>
</tr>
<tr>
<td>BISPHENOL A POLYETHYLENE GLYCOL DIETHER DIMETHACRYLATE (BISEMA-6) Guinea pig</td>
<td>Not classified</td>
<td></td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA) Human and animal</td>
<td>Sensitizing</td>
<td></td>
</tr>
</tbody>
</table>
Respiratory Sensitization
For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUBSTITUTED DIMETHACRYLATE</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>In Vitro</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
<tr>
<td>BISPHENOL A POLYETHYLENE GLYCOL DIETHER DIMETHACRYLATE (BISEMA-6)</td>
<td>In Vitro</td>
<td>Not mutagenic</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)</td>
<td>In Vitro</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
</tbody>
</table>

Carcinogenicity

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Species</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILANE TREATED CERAMIC</td>
<td>Inhalation</td>
<td>similar compounds</td>
<td>Some positive data exist, but the data are not sufficient for classification</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)</td>
<td>Dermal</td>
<td>Mouse</td>
<td>Not carcinogenic</td>
</tr>
</tbody>
</table>

Reproductive Toxicity

Reproductive and/or Developmental Effects

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>Ingestion</td>
<td>Not classified for female reproduction</td>
<td>Mouse</td>
<td>NOAEL 0.8 mg/kg/day</td>
<td>premating &amp; during gestation</td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>Ingestion</td>
<td>Not classified for male reproduction</td>
<td>Mouse</td>
<td>NOAEL 0.8 mg/kg/day</td>
<td>premating &amp; during gestation</td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>Ingestion</td>
<td>Not classified for development</td>
<td>Mouse</td>
<td>NOAEL 0.8 mg/kg/day</td>
<td>premating &amp; during gestation</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)</td>
<td>Ingestion</td>
<td>Not classified for female reproduction</td>
<td>Mouse</td>
<td>NOAEL 1 mg/kg/day</td>
<td>1 generation</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)</td>
<td>Ingestion</td>
<td>Not classified for male reproduction</td>
<td>Mouse</td>
<td>NOAEL 1 mg/kg/day</td>
<td>1 generation</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)</td>
<td>Ingestion</td>
<td>Not classified for development</td>
<td>Mouse</td>
<td>NOAEL 1 mg/kg/day</td>
<td>1 generation</td>
</tr>
</tbody>
</table>

Target Organ(s)

Specific Target Organ Toxicity - single exposure
For the component/components, either no data are currently available or the data are not sufficient for classification.

Specific Target Organ Toxicity - repeated exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Target Organ(s)</th>
<th>Value</th>
<th>Species</th>
<th>Test Result</th>
<th>Exposure Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILANE TREATED CERAMIC</td>
<td>Inhalation</td>
<td>pulmonary fibrosis</td>
<td>Not classified</td>
<td>similar compounds</td>
<td>NOAEL. Not available</td>
<td></td>
</tr>
<tr>
<td>BISPHENOL A DIGLYCIDYL ETHER DIMETHACRYLATE (BISGMA)</td>
<td>Ingestion</td>
<td>endocrine system</td>
<td>Not classified</td>
<td>Mouse</td>
<td>NOAEL 0.8 mg/kg/day</td>
<td>premating &amp; during gestation</td>
</tr>
<tr>
<td>TRIETHYLENE GLYCOL DIMETHACRYLATE (TEGDMA)</td>
<td>Dermal</td>
<td>kidney and/or bladder</td>
<td>Not classified</td>
<td>Mouse</td>
<td>NOAEL 833 mg/kg/day</td>
<td>78 weeks</td>
</tr>
</tbody>
</table>
Aspiration Hazard
For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

Ecotoxicological information
Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information
Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations

13.1. Disposal methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

EPA Hazardous Waste Number (RCRA): Not regulated

SECTION 14: Transport Information

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. US Federal Regulations
Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:
Physical Hazards
Not applicable

Health Hazards
Respiratory or Skin Sensitization

15.2. State Regulations
Contact 3M for more information.

15.3. Chemical Inventories
This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.
Contact 3M for more information.

15.4. International Regulations
Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification
Health: 2  Flammability: 1  Instability: 0  Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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