SAFETY DATA SHEET

1. Identification

Product identifier
VERSA 2.1 HB 2K - GRAY

Other means of identification
APR12921

Product code

Recommended use
Primer

Restrictions
No other uses are advised.

Manufacturer/Importer/Supplier/Distributor information
Company name
Liberty Bell Equipment Corp.
Address
810 N. Jefferson Ave.
St. Louis, MO 63106
United States
Telephone
(888) 646-1400
Website
www.axiscoatings.com
EMERGENCY PHONE 24 Hrs.
800-424-9300 ChemTrec

2. Hazard(s) identification

Physical hazards
Flammable liquids Category 2

Health hazards
Serious eye damage/eye irritation Category 2A
Carcinogenicity Category 1A
Reproductive toxicity Category 2
Specific target organ toxicity, repeated exposure Category 1

Environmental hazards
Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, long-term hazard Category 3

OSHA defined hazards
Not classified.

Label elements

Signal word
Danger

Hazard statement
Highly flammable liquid and vapor. Causes serious eye irritation. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement
Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and
easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Storage
Store in a well-ventilated place. Keep cool. Store locked up.

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

Hazard(s) not otherwise classified (HNOC)
Static accumulating flammable liquid can become electrostatically charged even in bonded and
grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Supplemental information
69.7% of the mixture consists of component(s) of unknown acute oral toxicity. 69.7% of the
mixture consists of component(s) of unknown acute dermal toxicity. % of the mixture consists of
component(s) of unknown acute inhalation toxicity. 61.51% of the mixture consists of
component(s) of unknown acute hazards to the aquatic environment. 61.51% of the mixture
consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Mixtures</th>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Talc</td>
<td>14807-96-6</td>
<td>20 - &lt; 30</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Acetone</td>
<td>67-64-1</td>
<td>10 - &lt; 20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Barium Sulfate</td>
<td>7727-43-7</td>
<td>10 - &lt; 20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>parachlorobenzotrifluoride</td>
<td>98-56-6</td>
<td>10 - &lt; 20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>5 - &lt; 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Xylene</td>
<td>1330-20-7</td>
<td>5 - &lt; 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silica</td>
<td>7631-86-9</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Silicon Dioxide (as Amorphous Silica; See Silica), Particulate</td>
<td>112945-52-5</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tremolite (Non-asbestiform)</td>
<td>14567-73-8</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>&lt; 0.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Crystalline Quartz</td>
<td>14808-60-7</td>
<td>&lt; 0.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>&lt; 0.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isobutyl Acetate</td>
<td>110-19-0</td>
<td>&lt; 0.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isobutyl Alcohol</td>
<td>78-83-1</td>
<td>&lt; 0.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mineral Spirits</td>
<td>8052-41-3</td>
<td>&lt; 0.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>N-Butyl Alcohol</td>
<td>71-36-3</td>
<td>&lt; 0.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Phosphoric Acid Regulatory</td>
<td>7664-38-2</td>
<td>&lt; 0.1</td>
<td></td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact
Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical
attention if irritation develops and persists.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if
present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred
vision. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water
immediately. While flushing, remove clothes which do not adhere to affected area. Call an
ambulance. Continue flushing during transport to hospital. Keep victim under observation.
Symptoms may be delayed.
General information
Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck or a salvage tank for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.
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. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tremolite (Non-asbestiform) (CAS 14567-73-8)</td>
<td>STEL</td>
<td></td>
<td>1 fibers/cm³</td>
</tr>
<tr>
<td>Tremolite (Non-asbestiform) (CAS 14567-73-8)</td>
<td>TWA</td>
<td></td>
<td>0.1 fibers/cm³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>PEL</td>
<td></td>
<td>2400 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Barium Sulfate (CAS 7727-43-7)</td>
<td>PEL</td>
<td></td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Carbon Black (CAS 1333-86-4)</td>
<td>PEL</td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Crystalline Quartz (CAS 14808-60-7)</td>
<td>PEL</td>
<td></td>
<td>0.05 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>PEL</td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>PEL</td>
<td></td>
<td>435 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. OSHA Table Z-3 (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium Sulfate (CAS 7727-43-7)</td>
<td>TWA</td>
<td></td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Crystalline Quartz (CAS 14808-60-7)</td>
<td>TWA</td>
<td></td>
<td>0.1 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>
US. OSHA Table Z-3 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc (CAS 14807-96-6)</td>
<td>TWA</td>
<td>2.4 mppcf</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.3 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 mppcf</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4 mppcf</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>50 mppcf</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mppcf</td>
<td>Respirable fraction.</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>STEL</td>
<td>500 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>250 ppm</td>
<td></td>
</tr>
<tr>
<td>Barium Sulfate (CAS 7727-43-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Carbon Black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>3 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Crystalline Quartz (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Talc (CAS 14807-96-6)</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Tremolite (Non-asbestiform) (CAS 14567-73-8)</td>
<td>TWA</td>
<td>0.1 fibers/cm³</td>
<td>Fiber.</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>STEL</td>
<td>150 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
<td></td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>TWA</td>
<td>590 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>250 ppm</td>
<td></td>
</tr>
<tr>
<td>Barium Sulfate (CAS 7727-43-7)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Carbon Black (CAS 1333-86-4)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total.</td>
</tr>
<tr>
<td>Crystalline Quartz (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>Total.</td>
</tr>
<tr>
<td>Talc (CAS 14807-96-6)</td>
<td>TWA</td>
<td>0.05 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 mg/m³</td>
<td>Respirable.</td>
</tr>
</tbody>
</table>

Biological limit values

<table>
<thead>
<tr>
<th>ACGIH Biological Exposure Indices Components</th>
<th>Value</th>
<th>Determinant</th>
<th>Specimen</th>
<th>Sampling Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>25 mg/l</td>
<td>Acetone</td>
<td>Urine</td>
<td>*</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td>1.5 g/g</td>
<td>Methylhippuric acids</td>
<td>Creatinine in urine</td>
<td>*</td>
</tr>
</tbody>
</table>

* * - For sampling details, please see the source document.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection

Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear suitable protective clothing. Use of an impervious apron is recommended.
Chemical respirator with organic vapor cartridge and full facepiece.

Wear appropriate thermal protective clothing, when necessary.

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### 9. Physical and chemical properties

#### Appearance
- **Physical state**: Liquid.
- **Form**: Liquid.
- **Color**: Grey
- **Odor**: Solvent.
- **Odor threshold**: Not available.
- **pH**: Not available.
- **Melting point/freezing point**: -138.46 °F (-94.7 °C) estimated
- **Initial boiling point and boiling range**: 132.89 °F (56.05 °C) estimated
- **Flash point**: -4.0 °F (-20.0 °C) estimated
- **Evaporation rate**: Not available.
- **Flammability (solid, gas)**: Not applicable.

#### Upper/lower flammability or explosive limits
- **Flammability limit - lower (%)**: 2.6 % estimated
- **Flammability limit - upper (%)**: 12.8 % estimated
- **Explosive limit - lower (%)**: Not available.
- **Explosive limit - upper (%)**: Not available.

#### Vapor pressure
- **Vapor pressure**: 517.39 hPa estimated

#### Other information
- **Density**: 2.21 g/cm³ estimated
- **Explosive properties**: Not explosive.
- **Flammability class**: Flammable IB estimated
- **Oxidizing properties**: Not oxidizing.
- **Percent volatile**: 41.89 w/w % By Weight
  61.21 v/v % By Volume
- **Specific gravity**: 2.21 estimated
10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

- **Inhalation**: May cause damage to organs through prolonged or repeated exposure by inhalation.
- **Skin contact**: No adverse effects due to skin contact are expected.
- **Eye contact**: Causes serious eye irritation.
- **Ingestion**: Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

**Acute toxicity**
Not known.

**Components** | **Species** | **Test Results**
--- | --- | ---
Xylene (CAS 1330-20-7) |  | 

| Acute | Oral |  
|---|---|---
| LD50 | Rat | 3523 - 8600 mg/kg |

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**
Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**
Causes serious eye irritation.

**Respiratory or skin sensitization**

- **Respiratory sensitization**: Not a respiratory sensitizer.
- **Skin sensitization**: This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**
May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

- **Carbon Black (CAS 1333-86-4)**: 2B Possibly carcinogenic to humans.
- **Crystalline Quartz (CAS 14808-60-7)**: 1 Carcinogenic to humans.
- **Talc (CAS 14807-96-6)**: 2B Possibly carcinogenic to humans.
- **Titanium Dioxide (CAS 13463-67-7)**: 3 Not classifiable as to carcinogenicity to humans.
- **Tremolite (Non-asbestiform) (CAS 14567-73-8)**: 1 Carcinogenic to humans.
- **Xylene (CAS 1330-20-7)**: 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

- **Tremolite (Non-asbestiform) (CAS 14567-73-8)**: Cancer

US. National Toxicology Program (NTP) Report on Carcinogens

- **Crystalline Quartz (CAS 14808-60-7)**: Known To Be Human Carcinogen.
- **Tremolite (Non-asbestiform) (CAS 14567-73-8)**: Known To Be Human Carcinogen.

**Reproductive toxicity**
Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging fertility or the unborn child.

**Specific target organ toxicity - single exposure**
Not classified.
Specific target organ toxicity - repeated exposure
Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard
Not an aspiration hazard.

Chronic effects
Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity
Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia magna)</td>
<td>10294 - 17704 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Rainbow trout,donaldson trout</td>
<td>4740 - 6330 mg/l, 96 hours</td>
</tr>
<tr>
<td>Barium Sulfate (CAS 7727-43-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Tubificid worm (Tubifex tubifex)</td>
<td>28.61 - 38.03 mg/l, 48 hours</td>
</tr>
<tr>
<td>Titanium Dioxide (CAS 13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea EC50</td>
<td>Water flea (Daphnia magna)</td>
<td>&gt; 1000 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Mummichog (Fundulus heteroclitus)</td>
<td>&gt; 1000 mg/l, 96 hours</td>
</tr>
<tr>
<td>Xylene (CAS 1330-20-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Aquatic</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50</td>
<td>Bluegill (Lepomis macrochirus)</td>
<td>7.711 - 9.591 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

Acetone -0.24
Xylene 3.12 - 3.2

Mobility in soil
No data available.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations
Dispose in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport.

DOT
UN number UN1263
UN proper shipping name Paint related material including paint thinning, drying, removing, or reducing compound
Transport hazard class(es)

Class: 3
Subsidiary risk: -
Label(s): 3
Packing group: II
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28
Packaging exceptions: 150
Packaging non bulk: 173
Packaging bulk: 242

IATA
UN number: UN1263
UN proper shipping name: Paint related material (including paint thinning or reducing compounds)

IMDG
UN number: UN1263
UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

DOT

Read safety instructions, SDS and emergency procedures before handling.
Special precautions for user: Not established.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Other information:
Passenger and cargo aircraft: Allowed with restrictions.
Cargo aircraft only: Allowed with restrictions.
15. Regulatory information

US federal regulations  This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
parachlorobenzotrifluoride (CAS 98-56-6) 1.0 % One-Time Export Notification only.
Tremolite (Non-asbestiform) (CAS 14567-73-8) 0.1 % Annual Export Notification required.

CERCLA Hazardous Substance List (40 CFR 302.4)
Acetone (CAS 67-64-1) Listed.
Barium Sulfate (CAS 7727-43-7) Listed.
Tremolite (Non-asbestiform) (CAS 14567-73-8) Listed.
Xylene (CAS 1330-20-7) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Tremolite (Non-asbestiform) (CAS 14567-73-8) Cancer
Xylene (CAS 1330-20-7) Lung

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tremolite (Non-asbestiform)</td>
<td>14567-73-8</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>5 - &lt; 10</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Tremolite (Non-asbestiform) (CAS 14567-73-8)
Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>6532</td>
</tr>
</tbody>
</table>

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%WV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>35 %WV</td>
</tr>
</tbody>
</table>

DEA Exempt Chemical Mixtures Code Number

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Code Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>6532</td>
</tr>
</tbody>
</table>

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone (CAS 67-64-1)</td>
<td>Low priority</td>
</tr>
</tbody>
</table>
WARNING: This product contains a chemical known to the State of California to cause cancer.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

- Carbon Black (CAS 1333-86-4) Listed: February 21, 2003
- Crystalline Quartz (CAS 14808-60-7) Listed: October 1, 1988
- Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004
- Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011
- Tremolite (Non-asbestiform) (CAS 14567-73-8) Listed: February 27, 1987

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

- Acetone (CAS 67-64-1)
- Carbon Black (CAS 1333-86-4)
- Crystalline Quartz (CAS 14808-60-7)
- Talc (CAS 14807-96-6)
- Titanium Dioxide (CAS 13463-67-7)
- Tremolite (Non-asbestiform) (CAS 14567-73-8)
- Xylene (CAS 1330-20-7)

**International Inventories**

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

- **Issue date**: 03-10-2017
- **Revision date**: 03-13-2017
- **Version #**: 02
- **Disclaimer**: Our company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

**Revision information**: Physical & Chemical Properties: Multiple Properties