1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name  Epoxy.com PolyPaste Gray

Recommended Use of the Chemical and Restrictions on Use
Recommended Use  High Heat Applications.

Details of the Supplier of the Safety Data Sheet
Supplier’s details
Epoxy Systems, Inc.
20774 W Pennsylvania Ave
Dunnellon, Florida 34431
Phone: 352-489-1666
Fax: 352-489-1625
24 Hour Emergency Telephone Number  PERS (USA) 800-633-8253 - (International) +1 (801) 629-0667

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity: Inhalation</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 2A</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure) [Respiratory tract irritation]</td>
<td>Category 3</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure) Inhalation [hearing organs, liver and nervous system]</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Signal Word
Danger

Hazard Statements
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation.
Causes damage to organs through prolonged or repeated exposure (hearing organs, liver, nervous system)
Precautionary Statements - Prevention
Wear protective gloves/protection clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response
Get medical attention if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for several minutes. If eye irritation persists: Get medical attention
IF ON SKIN (or hair): Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary Statements - Storage
Store containers in a safe place. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Precautionary Statements - Disposal
Dispose of contents/container in accordance with all local, regional, national and international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tale</td>
<td>14807-96-6</td>
<td>&lt;45</td>
</tr>
<tr>
<td>Unsaturated Polyester Polymer</td>
<td>Mixture</td>
<td>&lt;25</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Styrene</td>
<td>100-42-5</td>
<td>&lt;17</td>
</tr>
<tr>
<td>Vinyltoluene</td>
<td>25013-15-4</td>
<td>&lt;7</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>112945-52-5</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Chlorite group minerals</td>
<td>1318-59-8</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>&lt;0.4</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>&lt;0.3</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First Aid Measures

General Advice
Provide this SDS to medical personnel for treatment.

Eye Contact
Immediately flush with plenty of water for at least 10 minutes occasionally lifting upper and lower eyelids. Check for and remove contact lenses. Get medical attention.

Skin Contact
Flush contaminated skin with plenty of water for at least 10 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Clean shoes thoroughly before use.

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.
Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure of if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain and open airway. Loosen tight clothing suchas collar, tie, belt or wristband.

Most Important Symptoms and Effects, both Acute and Delayed

<table>
<thead>
<tr>
<th>Potential acute health effects</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Harmful if inhaled. May cause respiratory irritation.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Irritating to mouth, throat and stomach.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Over-exposure signs/symptoms</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact</td>
<td>Adverse symptoms may include the following: pain or irritation, watering, redness.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Adverse symptoms may include the following: respiratory tract irritation, coughing.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Adverse symptoms may include the following: irritation, redness.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

Indication of any Immediate Medical Attention and Special Treatment Needed, if necessary

Note to Physicians

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Dry chemical, CO₂, water spray (fog) or foam.

Unsuitable Extinguishing Media

Do not use water jet.

Specific Hazards Arising from the chemical

At elevated temperatures, containers may rupture. Heat may cause the containers to explode.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

Special protective actions for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for firefighters

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency personal  
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders  
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”.

Environmental Precautions  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product has environmental pollution (sewers, waterways, soil or air)

Methods and Material for Containment and Cleaning Up

Small spill  
Stop leak if without risk. Move containers from spill area. Scoop into appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill  
Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Protective measures  
Put on appropriate protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Empty containers retain product residue and can be hazardous. Do not reuse containers.

Advice on general

Occupational hygiene  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, Including any Incompatibilities

Do not store above 38°C (100.4°F). Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully rescaled and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Control measures

Occupational exposure limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc</td>
<td>TWA: 2 mg/m³ particulate matter containing no asbestos and &lt;1% crystalline silica, respirable fraction</td>
<td>(vacated) TWA: 2 mg/m³ respirable dust &lt;1% Crystalline silica, containing no Asbestos TWA: 20 nppcf if 1% Quartz or more, use Quartz limit</td>
<td>IDLH: 1000 mg/m³ TWA: 2 mg/m³ containing no Asbestos and &lt;1% Quartz respirable dust</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>-</td>
<td>TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³</td>
<td>TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust</td>
</tr>
<tr>
<td>Styrene</td>
<td>TWA: 20 ppm 8 hours TWA: 85 mg/m³ 8 hours STEL: 40 ppm 15 minutes STEL: 170 mg/m³ 15 minutes</td>
<td>TWA: 100 ppm 8 hours CEIL: 200 ppm AMP: 600 ppm 5 minutes</td>
<td>TWA: 50 ppm 10 hours TWA: 215 mg/m³ 10 hours STEL: 100 ppm 15 minutes STEL: 425 mg/m³ 15 minutes</td>
</tr>
<tr>
<td>Vinyltoluene</td>
<td>TWA: 50 ppm 8 hours TWA: 242 mg/m³ 8 hours STEL: 100 ppm 15 minutes STEL: 483 mg/m³ 15 minutes</td>
<td>TWA: 100 ppm 8 hours TWA: 480 mg/m³ 8 hours</td>
<td>TWA: 100 ppm 10 hours TWA: 480 mg/m³ 10 hours</td>
</tr>
<tr>
<td>Quartz</td>
<td>0.025 mg/ m³ TWA (respirable)</td>
<td>0.1 mg/ m³ TWA (respirable dust)</td>
<td>0.05 mg/ m³ TWA (respirable)</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>-</td>
<td>TWA: 6 mg/m³</td>
<td>-</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls
Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of the environmental protection legislation.

Individual Protection Measures

Hygiene measures
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gasses or dusts.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respiratory selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties
Property                      | Value
------------------------------|---------------------------------------------------------------
Product passed Flammable Solid test and is not combustible or flammable per burn rate test. The physical-chemical properties of this material have not been fully investigated.

Physical State
Appearance
Color
Odor
Odor Threshold
pH
Melting Point
Boiling Point
Flash Point
Evaporation Rate
Upper Flammability Limits
Lower Flammability Limit
Vapor Pressure
Vapor Density
Specific Gravity
Solubility in water
Solubility in Other Solvents
Partition Coefficient
Auto-ignition Temperature
Decomposition Temperature
Viscosity
Styrene loss after catalyzing

(For unsaturated polyester resin)
(For styrene) (Butyl Acetate=1)
(room temperature) (for styrene)
(for Styrene) (Air = 1)

10. STABILITY AND REACTIVITY

Reactivity
Chemical stability
The Product is stable.

Possibility of hazardous reactions
Hazardous reactions or instability may occur under certain conditions or storage or use.

Conditions to Avoid
Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat and flame. Hazardous polymerization may occur under certain conditions of storage our use. Keep away from heat and direct sunlight. Keep away from heat and flame. Keep away from oxidizing agents.

Incompatible Materials
Reactive or incompatible with the oxidizing materials, acids, and alkalis.
Incompatible with alkali metals, some alkalis, and some strong acids.

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.
11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>LC50 Inhalation Gas</td>
<td>Rat</td>
<td>2770 ppm</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>11800 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2650 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Vinyloluene</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2255 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Quartz</td>
<td>LD50</td>
<td>Rat</td>
<td>500 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>Eyes – Mild irritant</td>
<td>Human</td>
<td>-</td>
<td>50 ppm</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>– Moderate Irritant Eyes</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 100 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>– Severe Irritant Skin</td>
<td>Rabbit</td>
<td>-</td>
<td>100 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>– Skin – Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>500 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rabbit</td>
<td>-</td>
<td>100 Percent</td>
<td>-</td>
</tr>
<tr>
<td>Vinyloluene</td>
<td>Eyes – Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>90 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin – Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>100 Percent</td>
<td>-</td>
</tr>
</tbody>
</table>

Sensitization

May cause skin sensitization by skin contact.

Mutagenicity

Not Available.

Carcinogenicity

Not Available.

Conclusion/Summary

Styrene manufacturers have determined that the weight of evidence for the carcinogenicity of this substance does not meet the criteria for classification.

Styrene is listed by IARC as a possible carcinogen to humans (Group 2B) based on “limited evidence” in humans, “limited evidence in animals and “other relevant data”. The United States NTP listed styrene as reasonably anticipated to be a human carcinogen based on “limited evidence” from studies in humans, “sufficient evidence” from studies in experimental animals, and supporting data on mechanisms of carcinogenesis. The significance of these results for humans has not been established through risk assessment.

Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>-</td>
<td>2B</td>
<td>Reasonably anticipated to be a human carcinogen.</td>
</tr>
<tr>
<td>Vinyloluene</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Talc</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Quartz</td>
<td>-</td>
<td>-</td>
<td>Known Human Carcinogen</td>
</tr>
</tbody>
</table>

Reproductive toxicity

Not available

Teratogenicity

Not available

Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Routes of exposure</th>
<th>Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>Category 3</td>
<td>Not applicable</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Vinyloluene</td>
<td>Category 3</td>
<td>Not applicable</td>
<td>Respiratory tract irritation</td>
</tr>
</tbody>
</table>
Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Routes of exposure</th>
<th>Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>Category 1</td>
<td>Inhalation</td>
<td>hearing organs</td>
</tr>
<tr>
<td>Vinyltoluene</td>
<td>Category 2</td>
<td>Not determined</td>
<td>liver and nervous system</td>
</tr>
</tbody>
</table>

Aspiration hazard

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>Aspiration Hazard – Category 1</td>
</tr>
</tbody>
</table>

Information on the likely routes of exposure

Potential acute health effects

Eye contact Causes serious eye irritation.
Inhalation Harmful if inhaled. May cause respiratory irritation.
Skin contact Causes skin irritation.
Ingestion Irritation to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact Adverse symptoms may include the following: pain, or irritation, watering, redness.
Inhalation Adverse symptoms may include the following: respiratory tract irritation, coughing.
Skin contact Adverse symptoms may include the following: irritation, redness.
Ingestion Adverse symptoms may include the following: irritating to mouth, throat and stomach.

Delayed and immediate effects and also chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects Not available
Potential delayed effects Not available

Long term exposure

Potential immediate effects Not available
Potential delayed effects Not available
Potential chronic health effects Not available

General Causes damage to organs through prolonged or repeated exposure if inhaled.
Carcinogenicity No known significant effects or critical hazards.
Mutagenicity No known significant effects or critical hazards.
Teratogenicity No known significant effects or critical hazards.
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>5140.8 mg/kg</td>
</tr>
<tr>
<td>Inhalation (gases)</td>
<td>7661.7 ppm</td>
</tr>
<tr>
<td>Inhalation (vapors)</td>
<td>32.64 mg/l</td>
</tr>
</tbody>
</table>
12. ECOLOGICAL INFORMATION

Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>Acute EC50 1400 ug/l Fresh water</td>
<td>Algae – Pseudokirchneriella subcapitata</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 720 ug/l Fresh water</td>
<td>Algae – Pseudokirchneriella subcapitata</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 4700 ug/l Fresh water</td>
<td>Daphnia – Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 52000 ug/l Marine water</td>
<td>Crustaceans – Artemia salina – Nauplii</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 4020 ug/l Fresh water</td>
<td>Fish – Pimephales promelas</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 63 ug/l Fresh water</td>
<td>Algae – Pseudokirchneriella subcapitata</td>
<td>96 hours</td>
</tr>
<tr>
<td>Vinyltoluene</td>
<td>Acute EC50 1 to 10 mg/l Fresh water</td>
<td>Daphnia – Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 8.9 mg/l Marine water</td>
<td>Crustaceans – Chaetogammarus marinus - Young</td>
<td>48 hours</td>
</tr>
<tr>
<td>Talc</td>
<td>LC50 100 g/l semi – static</td>
<td>Brachydano rario</td>
<td>96 hour</td>
</tr>
</tbody>
</table>

Persistence and Degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>BCF</th>
<th>Dose</th>
<th>Inoculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>OECD</td>
<td>70% - Readily – 28 days</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>logP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene</td>
<td>0.35</td>
<td>13.49</td>
<td>low</td>
</tr>
<tr>
<td>Vinyltoluene</td>
<td>3.35</td>
<td>100 to 320</td>
<td>low</td>
</tr>
</tbody>
</table>

Mobility in soil

Soil/water partition coefficient (K<sub>ow</sub>) Not available

Other adverse effects No known significant effects of critical hazards.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via la licensed waste disposal contractor. Disposal of this product, solutions and may by-products should at all times comply with the requirements or environmental protection and waste disposal legislation and any regional local authority requirements. Avoid disposal. Attempt to use product completely in accordance with intended. Waste packaging should be recycled. Incineration or landfill should be considered when recycling is not feasible.

Special precautions

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
14. TRANSPORT INFORMATION

DOT  Not regulated
IATA Not regulated
IMDG  Not regulated

15. REGULATORY INFORMATION

U.S. Federal regulations
TSCA 8(a) PAIR: 4-tert-butylpyrocatechol; N,N-dimethylaniline; Vinyltoluene;
TSCA 8(a) CDR Exempt/Partial exempt: Not determined.
United States inventory (TSCA 8(b): Clean Water Act (CWA) 307:
Clean Water Act (CWA) 311: Naphthenic acids, copper salts
Clean Air Act Section 112 (b) Hazard Air Pollutants (HAPs)
Clean Air Act Section 602 Class I Substances  Styrene; N,N-dimethylaniline; Cobalt bis(2-ethylhexanoate)
Clean Air Act Section 602 Class II Substances  Not listed

SARA 302/304
No Products found
SARA 311/312 Hazard Categories
Acute health hazard  Yes
Chronic Health Hazard  Yes
Fire hazard  No
Sudden release of pressure hazard  No
Reactive Hazard  No

SARA 313

<table>
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<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
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</thead>
<tbody>
<tr>
<td>Styrene - 100-42-5</td>
<td>100-42-5</td>
<td>&lt;17</td>
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</table>

State Regulations
U.S. State Right-to-Know Regulations
Massachusetts  Styrene monomer; Vinyl Toluene; Calcium Carbonate; Talc; Carbon Black;
Phenylethylne; Methylstyrene; Quartz
Minnesota  Carbon Black; Quartz
New York  Styrene; Quartz
New Jersey  Styrene monomer; Benzene, Ethenyl-; Benzene, Ethenylmethyl; Vinyl Toluene
Vinyl Toluene; Calcium Carbonate; Talc; Carbon Black; Quartz
Pennsylvania  Benzene, Ethenyl-; Benzene, Ethenylmethyl; Calcium Carbonate; Talc; Carbon Black;
Colbalt Compounds; Quartz
Rhode Island  Carbon Black; Quartz

California Proposition 65
WARNING: This product contains chemicals known to the State of California to cause cancer: Styrene; Carbon black (airborne, unbound particles of respirable size); Crystalline Silica
### International lists

- **Australia inventory (AICS)**: Not determined.
- **Canadian inventory**: Not determined.
- **China inventory (IECSC)**: Not determined.
- **Japan inventory**: Not determined.
- **Korea Inventory**: Not determined.
- **Malaysia Inventory (EHS Register)**: Not determined.
- **New Zealand Inventory of Chemicals (NZIoC) Philippines inventory (PICCS) Taiwan** inventory (CSNN): Not determined.

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>1</td>
<td></td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
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<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>1</td>
<td></td>
<td>Personal Protection Not determined</td>
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</table>

**Revision Date**: 13-Sept-2018

**Revision Notes**: 

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet