1: Identification
Product identifier: Trilene 65 DLC®-A
Other means of identification: Ethylene-propylene dicyclopentadiene terpolymer on silicon dioxide
Supplier: NATROCHEM, Inc.
P.O. Box 1205
Savannah, GA 31402-1205
912-236-4464

Recommended use: Not applicable.
Restrictions on use: Not applicable.
Emergency phone number: CHEMTREC (USA) 800-424-9300
CHEMTREC (Int’l) 202-483-7616

2: Hazard(s) identification
OSHA/HCS status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

GHS classification: Not classified.

GHS label elements
Signal word: WARNING
Symbol(s):

Hazard statements: May form combustible dust concentrations in the air.

Precautionary statements:
Prevention: Take precautionary measures against static discharge.
Avoid breathing dust/fume/ gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.

Response: Remove person to fresh air and keep comfortable for breathing.
Take off contaminated clothing. Rinse skin with water/shower.
IF exposed or concerned: Call a POISON CENTER/doctor.
In case of fire: Use appropriate media for surrounding fire to extinguish.

Storage: Store in a dry place. Store in a closed container.
Disposal: Dispose of contents/container in accordance with
local/regional/national/international regulations.

3: Composition

Substance/mixture: Mixture

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Synonyms</th>
<th>CAS number</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene-propylene Dicyclopentadiene Terpolymer</td>
<td>EPDM</td>
<td>25034-71-3</td>
<td>70-74</td>
</tr>
<tr>
<td>Silica, amorphous, precipitated, and gel</td>
<td></td>
<td>112926-00-8</td>
<td>26-30</td>
</tr>
</tbody>
</table>

Contains no detectable crystalline silica (detection limit <0.01% by weight)
Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4: First-aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM, OR PHYSICIAN immediately; have SDS information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion: If swallowed, seek medical advice immediately and show this document or a label. Keep person warm and at rest. Drink plenty of water or milk. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed.

Potential acute health effects

Eye contact: No significant irritation expected other than possible mechanical irritation.

Inhalation: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat, and lungs.

Skin contact: Prolonged or repeated contact may dry skin and cause irritation.
Ingestion: No known significant effects or critical hazards. Ingestion
Immediately rinse mouth and drink plenty of water or milk. Keep
person under observation. Do not induce vomiting. If vomiting
occurs, keep head low. Transport immediately to hospital and bring along these
instructions

Over-exposure signs/symptoms
Eye contact: Adverse symptoms may include the following:
Irritation
Redness
Inhalation: Adverse symptoms may include the following:
Coughing
Respiratory tract irritation
Skin contact: Adverse symptoms may include the following:
Dryness
Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary
Notes to physician: Treat symptomatically. Contact poison treatment specialist
immediately if large quantities have been ingested or inhaled.
Specific treatments: No specific treatment.
Protection of first-aiders: No action shall be taken involving any personal risk or without
suitable training.

See toxicological information (Section 11)

5: Fire-fighting measures
Extinguishing media
Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media: None known.
Specific hazards arising from the chemical:
Hazardous thermal decomposition products: No specific fire or explosion hazard. When transferring material into
flammable solvents, use proper grounding to avoid electrical sparks.
In case of fire, toxic gases (CO, CO₂, NOₓ) may be formed.
Special protective actions for firefighters:
Special protective equipment for firefighters: No action shall be taken involving any personal risk or without
proper training.
No special protection is required.

6: Accidental release measures
Personal precautions, protective equipment, and emergency procedures
For non-emergency personnel: No action shall be taken involving any personal risk or without
suitable training. Keep unnecessary and unprotected personnel from
entering. Do not touch or walk through spilled material. Product
forms slippery surface when combined with water.
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 immediately above in “For non-emergency personnel”.

Environmental precautions: Avoid discharge to the aquatic environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Methods and materials for containment and cleaning up
Small spill: Vacuum or sweep up material and place in a designated, labeled waste container.
Large spill: Vacuum or sweep up material and place in a designated, labeled waste container.

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7: Handling and storage
Precautions for safe handling
Protective measures: Put on appropriate personal protective equipment (see Section 8).
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. When transferring material into flammable solvents, use proper grounding to avoid electrical sparks. Avoid alteration of product properties before use. Calcining (which may result in crystalline silica formation) or mixing with additives may alter toxicological properties.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct/indirect light sources in a dry, cool, and well-ventilated area away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers.

8: Exposure controls/personal protection
Control parameters
Occupational exposure limits
Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere, or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods
for the determination of hazardous substances will also be required. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure that they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to process equipment will be necessary to reduce emissions to acceptable levels.

Appropriate engineering controls:

Environmental exposure controls:

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, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: splash goggles.

Skin protection

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. When handling hot material, wear heat-resistant gloves that are able to withstand the temperature of molten product.

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: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

9: Physical and chemical properties

Appearance

Physical state: Powder, solid, or granular solid.
Color: White to off-white.
Odor: Characteristic.
Odor threshold: Not available.
pH: Not available.
Melting/freezing point: Not available.
Boiling point and range: Not available.
Flash point: Not available.
Evaporation rate: Not available.
Flammability: Not available.
Flammability or explosive limits: Not available.
Vapor pressure: Not available.
Vapor density: Not available.
Relative density: Not available.
Solubility: Not available.
Partition coefficient: n-octanol/water: Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: Not applicable.

10: Stability and reactivity
Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: This product is stable.
Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: High temperature (>800°C) treatment (calcining). Avoid alteration of product properties before use. Calcining (which may result in crystalline silica formation) or mixing with additives may alter toxicological properties. Avoid generating dust. Avoid exposure to direct sunlight. Refer to protective measures listed in Sections 7 and 8.
Incompatible materials: Reactive or incompatible with the following materials: acids, oxidizing materials, strong alkalis.
Hazardous decomposition products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11: Toxicological information
Information on toxicological effects

| Acute toxicity | Conclusion/summary: No known significant effects or critical hazards. |
| Irritation/corrosion | Conclusion/summary |
| | Skin: No known significant effects or critical hazards. |
| | Eyes: No known significant effects or critical hazards. |
| | Respiratory: No known significant effects or critical hazards. |
Sensitization

Conclusion/summary:
Skin: No known significant effects or critical hazards.
Respiratory: No known significant effects or critical hazards.

Mutagenicity:
Conclusion/summary: No known significant effects or critical hazards.

Carcinogenicity
Conclusion/summary: No known significant effects or critical hazards.

Classification

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, amorphous, precipitated, and gel</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
</tbody>
</table>

Carcinogen classification code:
IARC: 1, 2A, 2B, 3, 4
NTP: [Known/Reasonably anticipated] to be a human carcinogen
OSHA: +
Not listed/regulated: -

Reproductive toxicity
Conclusion/summary: No known significant effects or critical hazards.

Teratogenicity
Conclusion/summary: No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)
Not available.

Specific target organ toxicity (repeated exposure)
Not available.

Target organs
Contains material which may cause damage to the following organs:
upper respiratory tract, eyes.

Aspiration hazard
Not available.

Information on the likely routes of exposure:
Routes of entry anticipated: oral, dermal, inhalation.

Potential acute health effects

Eye contact: No significant irritation expected other than possible mechanical irritation.

Inhalation: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat, and lungs.

Skin contact: Prolonged or repeated contact may dry skin and cause irritation.

Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical, and toxicological characteristics

Eye contact: Adverse symptoms may include the following:
Irritation
Redness

Inhalation: Adverse symptoms may include the following:
Coughing
Respiratory tract irritation

Skin contact: Adverse symptoms may include the following:
Dryness

Ingestion: No specific data.
Delayed and immediate effects and also chronic effects from short- and long-term exposure

Conclusion/summary: An epidemiological study was conducted which included 165 precipitated silica workers who had been exposed an average time of 8.6 years. Of these 165 workers, 44 had been exposed for an average of 18 years. No adverse effects were noted in complete medical examinations (including chest roentgenograms) of these workers. Pulmonary function decrements were correlated only with smoking and age but not with the degree or duration of dust exposures. Laboratory studies have also been conducted in small animals via inhalation of levels of precipitated silica dust of up to 126 mg/m³ per periods from six months to two years. Although precipitated silica was temporarily deposited in animals’ lungs, most of the deposited material was cleared soon after the dust exposure ended. The results of all studies performed by, or known to, PPG indicated a very low order of pulmonary activity for synthetic precipitated silicas. PPG recommends that persons with breathing problems or lung disease should not work in dusty areas unless a physician approves and certifies their fitness to wear respiratory protection.

Short-term exposure
Potential immediate effects
No significant irritation expected other than possible mechanical irritation.
Potential delayed effects
Prolonged or repeated contact may dry skin and cause irritation.

Long-term exposure
Potential immediate effects
Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Potential delayed effects
Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Potential chronic health effects
General:
No known significant effects or critical hazards.
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
Not available.

12: Ecological information

Toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, amorphous, precipitated, and gel</td>
<td>NOEC &gt; 1000 ppm</td>
<td>Daphnia – daphnia magna</td>
<td>24 hours</td>
</tr>
<tr>
<td></td>
<td>Acute NOEC &gt; 10000 ppm fresh water</td>
<td>Fish</td>
<td>96 hours static</td>
</tr>
</tbody>
</table>
Acute NOEC > 10000 ppm | Fish – brachydanio rerio | 4 days static

### Persistence and degradability

[Delete first table if not needed]

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Test</th>
<th>Result</th>
<th>Dose</th>
<th>Inoculum</th>
</tr>
</thead>
</table>

### Ingredient

- Aquatic half-life
- Photolysis
- Biodegradability

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, amorphous, precipitated, and gel</td>
<td>-</td>
<td>-</td>
<td>Not readily</td>
</tr>
</tbody>
</table>

### Bioaccumulative potential

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LogPOW</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, amorphous, precipitated, and gel</td>
<td>-</td>
<td>0</td>
<td>low</td>
</tr>
</tbody>
</table>

### Mobility in soil

- Soil/water partition coefficient (KOC): Not available.
- Other adverse effects: No known significant effects or critical hazards.

### 13: Disposal considerations

**Disposal methods:**

This product is not considered to be hazardous waste under the definitions of the EPA and the Resource Conservation and Recovery Act (RCRA). However, any local or state regulation governing the process and disposal of waste should be followed. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Refer to Sections 6, 7, and 8 for additional information on accidental release measures, handling and storage, and exposure controls.

### 14: Transport information

[If transport hazard classes are applicable, try to include an image of the appropriate icons]

<table>
<thead>
<tr>
<th>UN number</th>
<th>DOT</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>substances</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Additional information</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Special precautions for user:**
*Transport within user’s premises:* always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** Not available.

### 15: Regulatory information

#### Inventory status

**United States inventory (TSCA 8b):** All components are listed or exempted.

**Australia inventory (AICS):** All components are listed or exempted.

**Canada inventory (DSL):** All components are listed or exempted.

**China inventory (IECSC):** All components are listed or exempted.

**Europe inventory (REACH):** All components are listed or exempted.

**Japan inventory (ENCS):** Please contact your supplier for information on the inventory status of this material.

**Korea inventory (KECI):** All components are listed or exempted.

**New Zealand inventory (NZIoC):** All components are listed or exempted.

**Philippines inventory (PICCS):** All components are listed or exempted.

#### United States

**US Federal regulations:**
- **SARA 302/304**
- **SARA 304 RQ:** Not applicable.

**Composition/information on ingredients**
No products were found.

**SARA 311/312**
- **Classification:** Not applicable.

**Composition/information on ingredients**
No products were found.

### 16: Other information

**Hazardous Material Indentification System (USA)**

| HEALTH | 1 |
| FLAMMABILITY | 1 |
| REACTIVITY | 0 |

**PERSONAL PROTECTION**

* - chronic effects
Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1901.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the Nation Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J.Keller 800-327-6868.

The customer is responsible for determining the PPE code for this material.

Key to abbreviations:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE</td>
<td>Acute toxicity estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally harmonized system of classification and labeling of chemicals</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IBC</td>
<td>Intermediate bulk container</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
</tr>
<tr>
<td>LogPow</td>
<td>Logarithm of the octanol/water partition coefficient</td>
</tr>
<tr>
<td>MARPOL 73/78</td>
<td>International convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978. (MARPOL = marine pollution)</td>
</tr>
<tr>
<td>UN</td>
<td>United Nations</td>
</tr>
</tbody>
</table>

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