# SAFETY DATA SHEET

## 1. Identification

**Material name:** VIBRA-STAIN - 8 OZ CHARCOAL  
**Material:** CVSC 008 150

**Recommended use and restriction on use**
- **Recommended use:** Coatings  
- **Restrictions on use:** Not known.

### Manufacturer/Importer/Supplier/Distributor Information

EUCLID CHEMICAL COMPANY  
19218 REDWOOD ROAD  
CLEVELAND OH 44110  
US

**Contact person:** EH&S Department  
**Telephone:** 216-531-9222  
**Emergency telephone number:** 1-800-424-9300 (US); 1-613-996-6666 (Canada)

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards
- **Flammable liquids**  
  Category 3

#### Health Hazards
- **Serious Eye Damage/Eye Irritation**  
  Category 2A  
- **Carcinogenicity**  
  Category 1B  
- **Toxic to reproduction**  
  Category 1B

### Unknown toxicity - Health

- **Acute toxicity, oral**  
  38.43 %  
- **Acute toxicity, dermal**  
  35.37 %  
- **Acute toxicity, inhalation, vapor**  
  100 %  
- **Acute toxicity, inhalation, dust or mist**  
  100 %

### Label Elements

**Hazard Symbol:**
Signal Word: Danger

Hazard Statement: Flammable liquid and vapor. Causes serious eye irritation. May cause cancer. May damage fertility or the unborn child.

Precautionary Statements

Prevention: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/] equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF exposed or concerned: Get medical advice/attention. In case of fire: Use...

to extinguish.

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

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)</th>
</tr>
</thead>
</table>


000000018189 2/19
4. First-aid measures

Description of necessary first-aid measures

**Inhalation:**
Move to fresh air.

**Skin Contact:**
Wash skin thoroughly with soap and water. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

**Eye contact:**
Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Ingestion:**
Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Personal Protection for First-aid Responders:**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Most important symptoms/effects, acute and delayed**

**Symptoms:**
Respiratory tract irritation.

**Hazards:**
No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:**
Symptoms may be delayed.

5. Fire-fighting measures

**General Fire Hazards:**
Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.
Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:**
Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:**
Avoid water in straight hose stream; will scatter and spread fire.

**Specific hazards arising from the chemical:**
Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.

Special protective equipment and precautions for firefighters

**Special fire fighting procedures:**
No data available.

**Special protective equipment for fire-fighters:**
Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**
Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

**Accidental release measures:**
In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Methods and material for containment and cleaning up:**
Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

**Environmental Precautions:**
Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

**Handling**

**Technical measures (e.g. Local and general ventilation):**
Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

**Safe handling advice:**
Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges.
Contact avoidance measures: No data available.

Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

Storage

Safe storage conditions: Store locked up. Store in a well-ventilated place. Store in a cool place.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ether solvent - Inhalable fraction and vapor.</td>
<td>TWA</td>
<td>10 ppm</td>
<td>US. ACGIH Threshold Limit Values (03 2013)</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>TWA</td>
<td>50 ppm</td>
<td>US. ACGIH Threshold Limit Values (02 2013)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>100 ppm</td>
<td>US. ACGIH Threshold Limit Values (02 2013)</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p - Inhalable fraction. - as Cr(VI))</td>
<td>TWA</td>
<td>0.0002 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p - Inhalable fraction. - as Cr(III))</td>
<td>TWA</td>
<td>0.003 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>0.0005 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p - Inhalable fraction. - as Cr(VI))</td>
<td>TWA</td>
<td>0.003 mg/m3</td>
<td>US. ACGIH Threshold Limit Values (03 2018)</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p - Inhalable fraction. - as Cr(III))</td>
<td>PEL</td>
<td>0.5 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>0.5 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>1 mg/m3</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p - Inhalable fraction. - as Cr(VI))</td>
<td>Ceiling</td>
<td>0.1 mg/m3</td>
<td>US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td>Dipropylene glycol methyl</td>
<td>TWA</td>
<td>100 ppm</td>
<td>US. ACGIH Threshold Limit Values (2011)</td>
</tr>
<tr>
<td>Chemical name</td>
<td>Type</td>
<td>Exposure Limit Values</td>
<td>Source</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------------</td>
<td>-----------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Glycol ether solvent - Inhalable fraction and vapor.</td>
<td>TWA</td>
<td>10 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>TWA</td>
<td>50 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Propylene glycol - Aerosol.</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Propylene glycol - Vapor and aerosol.</td>
<td>TWA</td>
<td>50 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Chromium</td>
<td>TWA</td>
<td>0.5 mg/m3</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Chromium - as Cr</td>
<td>TWA</td>
<td>0.5 mg/m3</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Chromium</td>
<td>TWA</td>
<td>0.5 mg/m3</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>TWA</td>
<td>100 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>TWA</td>
<td>100 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
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<td></td>
<td>STEL</td>
<td>150 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>STEL</td>
<td>150 ppm</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
</tr>
</tbody>
</table>

<table>
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<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
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<td>Glycol ether solvent - Inhalable fraction and vapor.</td>
<td>TWA</td>
<td>10 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>TWA</td>
<td>50 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>75 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
</tr>
<tr>
<td>Compound</td>
<td>Concentration</td>
<td>Location/Reference</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>---------------</td>
<td>------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>TWA 50 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL 100 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)</td>
<td></td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>STEL 150 ppm</td>
<td>553 mg/m³ Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA 100 ppm</td>
<td>369 mg/m³ Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p-o - as Cr</td>
<td>TWA 0.01 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA 0.5 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>TWA 100 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL 150 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
<td></td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>TWA 100 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL 150 ppm</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
<td></td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>STEL 150 ppm</td>
<td>909 mg/m³ Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA 100 ppm</td>
<td>606 mg/m³ Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td>Acid Black 172 - as Cr</td>
<td>TWA 0.5 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol - Aerosol.</td>
<td>TWA 10 mg/m³</td>
<td>Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010)</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol - Vapor and aerosol.</td>
<td>TWA 50 ppm</td>
<td>155 mg/m³ Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015)</td>
<td></td>
</tr>
<tr>
<td>Acid Red 357 - as Cr</td>
<td>TWA 0.5 mg/m³</td>
<td>Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017)</td>
<td></td>
</tr>
<tr>
<td>2-Methoxy-1-propanol</td>
<td>TWA 20 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL 40 ppm</td>
<td>Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007)</td>
<td></td>
</tr>
</tbody>
</table>
Biological Limit Values

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium, 2-{2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazeny]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p (Total chromium: Sampling time: End of shift at end of work week.)</td>
<td>25 µg/l (Urine)</td>
<td>ACGIH BEI (03 2013)</td>
</tr>
<tr>
<td>Chromium, 2-{2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazeny]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p (Total chromium: Sampling time: Increase during shift.)</td>
<td>10 µg/l (Urine)</td>
<td>ACGIH BEI (03 2013)</td>
</tr>
</tbody>
</table>

Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium, 2-{2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazeny]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p</td>
<td>US. ACGIH Threshold Limit Values</td>
<td>Can be absorbed through the skin.</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>US. ACGIH Threshold Limit Values</td>
<td>Can be absorbed through the skin.</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information: Provide easy access to water supply and eye wash facilities. 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. Use explosion-proof ventilation equipment.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: Use suitable protective gloves if risk of skin contact.

Other: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures: Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.

9. Physical and chemical properties

Appearance

- Physical state: liquid
- Form: liquid
- Color: Dark gray
- Odor: Mild
- Odor threshold: No data available.
- pH: No data available.
- Melting point/freezing point: No data available.
- Initial boiling point and boiling range: No data available.
- Flash Point: 43 °C 110 °F
- Evaporation rate: Slower than Ether
- Flammability (solid, gas): No

Upper/lower limit on flammability or explosive limits

- Flammability limit - upper (%): No data available.
- Flammability limit - lower (%): No data available.
- Explosive limit - upper (%): No data available.
- Explosive limit - lower (%): No data available.

Vapor pressure: No data available.
Vapor density: Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density: 1
Solubility(ies)

- Solubility in water: Soluble
- Solubility (other): No data available.
Partition coefficient (n-octanol/water): No data available.

Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: No data available.

10. Stability and reactivity

Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No data available.
Conditions to avoid: Heat, sparks, flames.
11. Toxicological information

Information on likely routes of exposure

Inhalation: In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.

Skin Contact: May be harmful in contact with skin. Causes mild skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Specified substance(s):

Glycol ether solvent LD 50 (Rat): 3,306 mg/kg

1-Methoxy-2-Propanol LD 50 (Rat): 3,739 mg/kg

Dipropylene glycol methyl ether LD 50 (Rat): 5,180 mg/kg

Acid Black 172 LD 50 (Rat): >= 5,000 mg/kg

Propylene glycol LD 50 (Rat): 22,000 mg/kg

2-Methoxy-1-propanol LD 50 (Rat): 5,710 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.
**Specified substance(s):**

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD 50 (Rabbit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ether solvent</td>
<td>2,764 mg/kg</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>&gt; 2,000 mg/kg</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>9,500 mg/kg</td>
</tr>
<tr>
<td>Acid Black 172</td>
<td>&gt; 2,000 mg/kg</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>&gt; 2,000 mg/kg</td>
</tr>
<tr>
<td>2-Methoxy-1-propanol</td>
<td>5,660 mg/kg</td>
</tr>
</tbody>
</table>

**Inhalation**

**Product:**

<table>
<thead>
<tr>
<th>Specified substance(s):</th>
<th>LC 50 (Rat):</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>54.6 mg/l</td>
</tr>
</tbody>
</table>

**Repeated dose toxicity**

**Product:**

No data available.

**Skin Corrosion/Irritation**

**Product:**

No data available.

<table>
<thead>
<tr>
<th>Specified substance(s):</th>
<th>in vivo (Rabbit):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ether solvent</td>
<td>Slightly irritating</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>Not irritant</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>Not irritant</td>
</tr>
<tr>
<td>Acid Black 172</td>
<td>Not irritant</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>Not irritant</td>
</tr>
</tbody>
</table>

**Serious Eye Damage/Eye Irritation**

**Product:**

No data available.

<table>
<thead>
<tr>
<th>Specified substance(s):</th>
<th>Rabbit, 24 - 72 hrs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ether solvent</td>
<td>Highly irritating</td>
</tr>
</tbody>
</table>
1-Methoxy-2-Propanol Rabbit, 24 - 72 hrs: Not irritating
Dipropylene glycol methyl ether Rabbit, 24 - 72 hrs: Not irritating

Respiratory or Skin Sensitization
Product: No data available.

Carcinogenicity
Product: May cause cancer.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.
12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

**Fish**
Product: No data available.

**Specified substance(s):**
- Glycol ether solvent
  - LC 50 (Bluegill (Lepomis macrochirus), 96 h): 1,300 mg/l Mortality
- Propylene glycol
  - LC 50 (Fathead minnow (Pimephales promelas), 96 h): 29,485 - 39,339 mg/l Mortality

**Aquatic Invertebrates**
Product: No data available.

**Specified substance(s):**
- Propylene glycol
  - EC 50 (Water flea (Daphnia magna), 48 h): > 10,000 mg/l Intoxication

Chronic hazards to the aquatic environment:

**Fish**
Product: No data available.

**Specified substance(s):**
- Propylene glycol
  - NOAEL (Pimephales promelas, 7 d): 11,530 mg/l Experimental result, Not specified

**Aquatic Invertebrates**
Product: No data available.

**Toxicity to Aquatic Plants**
Product: No data available.

Persistence and Degradability

**Biodegradation**
Product: No data available.

**BOD/COD Ratio**
Product: No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**
Product: No data available.

**Partition Coefficient n-octanol / water (log Kow)**
Product: No data available.
Specified substance(s):
Glycol ether solvent Log Kow: 0.56
Propylene glycol Log Kow: -0.92

Mobility in soil: No data available.
Other adverse effects: No data available.

13. Disposal considerations

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

TDG:
UN1263, PAINT, 3, PG III

CFR / DOT:
UN1263, Paint, 3, PG III

IMDG:
UN1263, PAINT, 3, PG III

Further Information: The above shipping description may not be accurate for all container sizes and all modes of transportation. Please refer to Bill of Lading.

15. Regulatory information

US Federal Regulations
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)
None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
None present or none present in regulated quantities.
CERCLA Hazardous Substance List (40 CFR 302.4):

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p]</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Acid Black 172</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Acid Red 357</td>
<td>10 lbs.</td>
</tr>
</tbody>
</table>

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- Fire Hazard
- Immediate (Acute) Health Hazards
- Delayed (Chronic) Health Hazard
- Flammable (gases, aerosols, liquids, or solids)
- Serious eye damage or eye irritation
- Carcinogenicity
- Reproductive toxicity
- Hazards Not Otherwise Classified (HNOC)

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Reportable quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ether solvent</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-p]</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Acid Black 172</td>
<td>10 lbs.</td>
</tr>
<tr>
<td>Acid Red 357</td>
<td>10 lbs.</td>
</tr>
</tbody>
</table>
SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ether solvent</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Acid Black 172</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Acid Red 357</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>2-Methoxy-1-propanol</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)

<table>
<thead>
<tr>
<th>Chemical Identity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ether solvent</td>
</tr>
<tr>
<td>Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate</td>
</tr>
<tr>
<td>Dipropylene glycol methyl ether</td>
</tr>
<tr>
<td>Acid Black 172</td>
</tr>
<tr>
<td>Acid Red 357</td>
</tr>
</tbody>
</table>

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
Glycol ether solvent
1-Methoxy-2-Propanol
Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate
Dipropylene glycol methyl ether
Acid Black 172
Propylene glycol
Ethyl lactate
Acid Red 357
US. Massachusetts RTK - Substance List

**Chemical Identity**
- 1-Methoxy-2-Propanol
- Dipropylene glycol methyl ether
- Ethyl lactate

US. Pennsylvania RTK - Hazardous Substances

**Chemical Identity**
- Glycol ether solvent
- 1-Methoxy-2-Propanol
- Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate
- Dipropylene glycol methyl ether
- Acid Black 172
- Propylene glycol
- Ethyl lactate
- Acid Red 357

US. Rhode Island RTK

**Chemical Identity**
- 1-Methoxy-2-Propanol
- Chromium, 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate 2-[2-(4,5-dihydro-3-methyl-5-oxo-1-phenyl-1H-pyrazol-4-yl)diazenyl]benzoate
- Dipropylene glycol methyl ether
- Acid Black 172
- Propylene glycol
- Acid Red 357

**International regulations**

- **Montreal protocol**
  - Not applicable

- **Stockholm convention**
  - Not applicable

- **Rotterdam convention**
  - Not applicable

- **Kyoto protocol**
  - Not applicable

**VOC:**
- Regulatory VOC (less water and exempt solvent) : 551 g/l
- VOC Method 310 : 55.08 %
<table>
<thead>
<tr>
<th>Inventory Status:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Australia AICS:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>EINECS, ELINCS or NLP:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Japan (ENCS) List:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>China Inv. Existing Chemical Substances:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Korea Existing Chemicals Inv. (KECI):</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Canada NDSL Inventory:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Philippines PICCS:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>US TSCA Inventory:</strong></td>
<td>All components in this product are listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>New Zealand Inventory of Chemicals:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Japan ISHL Listing:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Japan Pharmacopoeia Listing:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Canada DSL Inventory List:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Ontario Inventory:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Mexico INSQ:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
<tr>
<td><strong>Taiwan Chemical Substance Inventory:</strong></td>
<td>One or more components in this product are not listed on or exempt from the Inventory.</td>
</tr>
</tbody>
</table>
16. Other information, including date of preparation or last revision

Revision Date: 05/02/2019
Version #: 2.0
Further Information: No data available.

Disclaimer: For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.