SAFETY DATA SHEET

Section 1. Identification

Product name: PR-3500
Product code: EDPR-3500IK55DR
Other means of identification: Not available.
Product type: Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use: Industrial applications.
Use of the substance/mixture: Stripper
Uses advised against: Not applicable.

Supplier: PPG Aerospace PRC-DeSoto
12780 San Fernando Road
Sylmar, CA 91342
Phone: 818 362 6711

Emergency telephone number: (412) 434-4515 (U.S.)
(514) 645-1320 (Canada)
01-800-00-21-400 (Mexico)

Section 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture:
- ACUTE TOXICITY (oral) - Category 4
- ACUTE TOXICITY (inhalation) - Category 2
- SKIN CORROSION/IRRITATION - Category 1B
- SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
- RESPIRATORY SENSITIZATION - Category 1
- GERM CELL MUTAGENICITY - Category 1B
- CARCINOGENICITY - Category 1A
- TOXIC TO REPRODUCTION (Fertility) - Category 1B
- TOXIC TO REPRODUCTION (Unborn child) - Category 1B
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

GHS label elements
Section 2. Hazards identification

Hazard pictograms

- Skull and crossbones
- Exclamation mark
- Eye with crossed-out line

Signal word: Danger

Hazard statements:
- Fatal if inhaled.
- Harmful if swallowed.
- Causes severe skin burns and eye damage.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause genetic defects.
- May cause cancer.
- May damage fertility or the unborn child.
- May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention:
- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Wear respiratory protection. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response:
- Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. If experiencing respiratory symptoms: Call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage:
- Store locked up.

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

Supplemental label elements:
- Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

Hazards not otherwise classified:
- Prolonged or repeated contact may dry skin and cause irritation.
Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Product name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture</td>
<td>PR-3500</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichloromethane</td>
<td>≥50 - &lt;75</td>
<td>75-09-2</td>
</tr>
<tr>
<td>phenol</td>
<td>≥16 - &lt;24</td>
<td>108-95-2</td>
</tr>
<tr>
<td>sodium dichromate anhydrate</td>
<td>≥0.3 - &lt;1</td>
<td>10588-01-9</td>
</tr>
<tr>
<td>Tall oil, sodium salt</td>
<td>≥0.3 - &lt;1</td>
<td>65997-01-5</td>
</tr>
</tbody>
</table>

SUB codes represent substances without registered CAS Numbers.

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.

Section 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 Safety Data Sheet 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 container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: Causes serious eye damage.

Inhalation: Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin contact: Causes severe burns. Defatting to the skin.

Ingestion: Harmful if swallowed.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:
- pain
- watering
- redness
# Section 4. First aid measures

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Adverse symptoms may include the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>wheezing and breathing difficulties</td>
</tr>
<tr>
<td></td>
<td>asthma</td>
</tr>
<tr>
<td></td>
<td>reduced fetal weight</td>
</tr>
<tr>
<td></td>
<td>increase in fetal deaths</td>
</tr>
<tr>
<td></td>
<td>skeletal malformations</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Adverse symptoms may include the following:</td>
</tr>
<tr>
<td></td>
<td>pain or irritation</td>
</tr>
<tr>
<td></td>
<td>redness</td>
</tr>
<tr>
<td></td>
<td>dryness</td>
</tr>
<tr>
<td></td>
<td>cracking</td>
</tr>
<tr>
<td></td>
<td>blistering may occur</td>
</tr>
<tr>
<td></td>
<td>reduced fetal weight</td>
</tr>
<tr>
<td></td>
<td>increase in fetal deaths</td>
</tr>
<tr>
<td></td>
<td>skeletal malformations</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Adverse symptoms may include the following:</td>
</tr>
<tr>
<td></td>
<td>stomach pains</td>
</tr>
<tr>
<td></td>
<td>reduced fetal weight</td>
</tr>
<tr>
<td></td>
<td>increase in fetal deaths</td>
</tr>
<tr>
<td></td>
<td>skeletal malformations</td>
</tr>
<tr>
<td>Indication of immediate medical attention and special treatment needed, if necessary</td>
<td></td>
</tr>
<tr>
<td>Notes to physician</td>
<td>In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</td>
</tr>
<tr>
<td>Specific treatments</td>
<td>No specific treatment.</td>
</tr>
<tr>
<td>Protection of first-aiders</td>
<td>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</td>
</tr>
<tr>
<td>See toxicological information (Section 11)</td>
<td></td>
</tr>
</tbody>
</table>

## Section 5. Fire-fighting measures

<table>
<thead>
<tr>
<th>Extinguishing media</th>
<th>Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable extinguishing media</td>
<td>None known.</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.</td>
</tr>
</tbody>
</table>
Section 5. Fire-fighting measures

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, halogenated compounds, carbonyl halides.

Special protective actions for fire-fighters: 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.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 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. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialised 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 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: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an 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. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, 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 material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
Section 7. Handling and storage

Precautions for safe handling

**Protective measures**: Put on appropriate personal protective equipment (see Section 8). Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Special precautions**: Ingestion of product or cured coating may be harmful. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

**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 the following temperature: 35°C (95°F). Store in accordance with local regulations. 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. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichloromethane</td>
<td>ACGIH TLV (United States, 4/2014). TWA: 174 mg/m³ 8 hours. TWA: 50 ppm 8 hours. OSHA PEL Z2 (United States, 2/2013). STEL: 125 ppm 15 minutes. TWA: 25 ppm 8 hours.</td>
</tr>
<tr>
<td>phenol</td>
<td>ACGIH TLV (United States, 4/2014). Absorbed through skin. TWA: 19 mg/m³ 8 hours. TWA: 5 ppm 8 hours. OSHA PEL (United States, 2/2013). Absorbed through skin. TWA: 19 mg/m³ 8 hours. TWA: 5 ppm 8 hours.</td>
</tr>
</tbody>
</table>

**United States**
Section 8. Exposure controls/personal protection

### sodium dichromate anhydrate

<table>
<thead>
<tr>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TLV (United States, 4/2014).</td>
<td>TWA: 0.05 mg/m³, (measured as Cr) 8 hours. Form: Soluble</td>
</tr>
<tr>
<td>OSHA PEL (United States, 2/2013).</td>
<td>TWA: 0.005 mg/m³, (as Cr) 8 hours.</td>
</tr>
<tr>
<td>OSHA PEL Z2 (United States, 2/2013).</td>
<td>CEIL: 1 mg/10m³</td>
</tr>
</tbody>
</table>

### Tall oil, sodium salt

<table>
<thead>
<tr>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA PEL (United States).</td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td>TWA: 15 mg/m³</td>
<td>Form: Respirable</td>
</tr>
<tr>
<td>TWA: 5 mg/m³ Form: Total dust</td>
<td></td>
</tr>
<tr>
<td>ACGIH TLV (United States, 1/2010).</td>
<td>TWA: 3 mg/m³, (Inhalable fraction) 8 hours.</td>
</tr>
<tr>
<td>ACGIH TLV (United States).</td>
<td>TWA: 3 mg/m³ Form: Respirable</td>
</tr>
<tr>
<td>TWA: 10 mg/m³ Form: Total dust</td>
<td></td>
</tr>
</tbody>
</table>

Key to abbreviations

- **A** = Acceptable Maximum Peak
- **ACGIH** = American Conference of Governmental Industrial Hygienists.
- **C** = Ceiling Limit
- **F** = Fume
- **IPEL** = Internal Permissible Exposure Limit
- **OSHA** = Occupational Safety and Health Administration.
- **R** = Respirable
- **Z** = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

Consult local authorities for acceptable 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.

### 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 environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 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

Chemical splash goggles and face shield.
Section 8. Exposure controls/personal 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves: nitrile, neoprene

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: By spraying: air-fed respirator. By other operations than spraying, in well ventilated areas, air-fed respirators could be replaced by a combination charcoal filter and particulate filter mask. 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.

Restrictions on use: Persons with a history of asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

Section 9. Physical and chemical properties

Appearance
Physical state: Liquid.
Color: Yellow.
Odor: Pungent.
Odor threshold: Not available.
pH: 9.2
Melting point: Not available.
Boiling point: 50°C (122°F)
Flash point: Closed cup: Not applicable.
Material supports combustion: Yes.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Flammability (solid, gas): Not available.
Lower and upper explosive (flammable) limits: Not available.
Evaporation rate: Not available.
Vapor pressure: Not available.
Vapor density: Not available.
Relative density: 1.19
Density (lbs / gal): 9.93
Solubility: Insoluble in the following materials: cold water.
Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water : Not available.
Viscosity : Kinematic (40°C (104°F)): >0.21 cm²/s (>21 cSt)
VOC : 198 g/l

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 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>dichloromethane</td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>76000 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>18332 ppm</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>985 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>316 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>630 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>669 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>0.317 g/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Conclusion/Summary

Skin : There are no data available on the mixture itself.
Eyes : There are no data available on the mixture itself.
Respiratory : There are no data available on the mixture itself.

Sensitization

Conclusion/Summary

Skin : There are no data available on the mixture itself.
Respiratory : There are no data available on the mixture itself.
Section 11. Toxicological information

Mutagenicity

Conclusion/Summary : There are no data available on the mixture itself.

Carcinogenicity

Conclusion/Summary : There are no data available on the mixture itself.

Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichloromethane</td>
<td></td>
<td>2A</td>
<td>Reasonably anticipated to be a human carcinogen.</td>
</tr>
<tr>
<td>phenol</td>
<td></td>
<td>2B</td>
<td></td>
</tr>
<tr>
<td>sodium dichromate anhydrate</td>
<td></td>
<td>3</td>
<td>Known to be a human carcinogen.</td>
</tr>
</tbody>
</table>

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

Reproductive toxicity

Conclusion/Summary : There are no data available on the mixture itself.

Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium dichromate anhydrate</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichloromethane</td>
<td>Category 2</td>
</tr>
<tr>
<td>phenol</td>
<td>Category 2</td>
</tr>
<tr>
<td>sodium dichromate anhydrate</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Target organs : Contains material which causes damage to the following organs: kidneys, brain. Contains material which may cause damage to the following organs: blood, lungs, the nervous system, liver, mucous membranes, spleen, gastrointestinal tract, cardiovascular system, upper respiratory tract, immune system, skin, eyes, central nervous system (CNS).

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact : Causes serious eye damage.
Inhalation : Fatal if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin contact : Causes severe burns. Defatting to the skin.
Ingestion : Harmful if swallowed.

Over-exposure signs/symptoms
Section 11. Toxicological information

### Eye contact
- Adverse symptoms may include the following:
  - Pain
  - Watering
  - Redness

### Inhalation
- Adverse symptoms may include the following:
  - Wheezing and breathing difficulties
  - Asthma
  - Reduced fetal weight
  - Increase in fetal deaths
  - Skeletal malformations

### Skin contact
- Adverse symptoms may include the following:
  - Pain or irritation
  - Redness
  - Dryness
  - Cracking
  - Blistering may occur
  - Reduced fetal weight
  - Increase in fetal deaths
  - Skeletal malformations

### Ingestion
- Adverse symptoms may include the following:
  - Stomach pains
  - Reduced fetal weight
  - Increase in fetal deaths
  - Skeletal malformations

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

#### Conclusion/Summary
- There are no data available on the mixture itself. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### Short term exposure
- **Potential immediate effects**: There are no data available on the mixture itself.
- **Potential delayed effects**: There are no data available on the mixture itself.

#### Long term exposure
- **Potential immediate effects**: There are no data available on the mixture itself.
- **Potential delayed effects**: There are no data available on the mixture itself.

#### Potential chronic health effects
Section 11. Toxicological information

General: May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity: May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: May cause genetic defects.

Teratogenicity: May damage the unborn child.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: May damage fertility.

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>448.4 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>3793 mg/kg</td>
</tr>
<tr>
<td>Inhalation (gases)</td>
<td>4214.4 ppm</td>
</tr>
<tr>
<td>Inhalation (vapors)</td>
<td>1.903 mg/l</td>
</tr>
<tr>
<td>Inhalation (dusts and mists)</td>
<td>3.01 mg/l</td>
</tr>
</tbody>
</table>

Section 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>phenol</td>
<td>Chronic IC10 2.38 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>21 days</td>
</tr>
</tbody>
</table>

Persistence and degradability

Not available.

Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP_{ow}</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichloromethane</td>
<td>1.25</td>
<td>22.91</td>
<td>low</td>
</tr>
<tr>
<td>phenol</td>
<td>1.46</td>
<td>17.38</td>
<td>low</td>
</tr>
</tbody>
</table>

Mobility in soil

Soil/water partition coefficient (K_{oc}): Not available.
Section 13. Disposal considerations

Disposal methods: 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

<table>
<thead>
<tr>
<th></th>
<th>DOT</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>UN1760</td>
<td>UN1760</td>
<td>UN1760</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>CORROSIVE LIQUID, N.O.S.</td>
<td>CORROSIVE LIQUID, N.O.S.</td>
<td>CORROSIVE LIQUID, N.O.S.</td>
</tr>
<tr>
<td></td>
<td>(Methylene Chloride, phenol)</td>
<td>(Methylene Chloride, phenol)</td>
<td>(Methylene Chloride, phenol)</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Marine pollutant substances</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Product RQ (lbs)</td>
<td>1001.2</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>RQ substances</td>
<td>(sodium dichromate anhydrate, Methylene Chloride)</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

Additional information

DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

IMDG: The segregation group has been manually assigned based upon product analysis.

IATA: None identified.

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.
Section 15. Regulatory information

**United States**

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

**SARA 302/304**

SARA 304 RQ : 6020.6 lbs / 2733.3 kg [72.7 gal / 275.3 L]

**Composition/information on ingredients**

<table>
<thead>
<tr>
<th>Name</th>
<th>EHS</th>
<th>SARA 302 TPQ</th>
<th>SARA 304 RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(lbs)</td>
<td>(gallons)</td>
</tr>
<tr>
<td>phenol</td>
<td>Yes</td>
<td>500 / 10000</td>
<td>-</td>
</tr>
</tbody>
</table>

**SARA 311/312**

Classification : Immediate (acute) health hazard

Delayed (chronic) health hazard

**Composition/information on ingredients**

<table>
<thead>
<tr>
<th>Name</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichloromethane</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
<tr>
<td>phenol</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
<tr>
<td>sodium dichromate anhydrate</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
<tr>
<td>Tall oil, sodium salt</td>
<td>Yes.</td>
<td>No.</td>
<td>Yes.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
</tbody>
</table>

**SARA 313**

Supplier notification : dichloromethane

Chemical name: dichloromethane

CAS number: 75-09-2

Concentration: 30 - 60

Supplier notification : phenol

Chemical name: phenol

CAS number: 108-95-2

Concentration: 10 - 30

Supplier notification : sodium dichromate anhydrate

Chemical name: sodium dichromate anhydrate

CAS number: 10588-01-9

Concentration: 0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other information

**Hazardous Material Information System (U.S.A.)**

Health : 3 *  Flammability : 0  Physical hazards : 1

( * ) - 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 MSDSs under 29 CFR 1910.1200, 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 National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.
### Section 16. Other information

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

**National Fire Protection Association (U.S.A.)**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

**Date of previous issue**: 7/31/2015

**Organization that prepared the MSDS**: EHS

**Key to abbreviations**:

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- UN = United Nations

*Indicates information that has changed from previously issued version.*

**Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.