

# MATERIAL SAFETY DATA SHEET PROTOCO V1710 TAN

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### 1. PRODUCT AND COMPANY IDENTIFICATION

### POLYONE CORPORATION 2700 Papin Street, St. Louis, MO 63103

| NON-EMERGENCY<br>TELEPHONE    | : | Product Stewardship (314) 771-1800   |
|-------------------------------|---|--|
| Emergency telephone<br>number | : | CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident). |
| Product name                  | : | PROTOCO V1710 TAN  |
| Product code                  | : | FO00012806   |
| Chemical Name                 | : | Mixture  |
| CAS-No.                       | : | Mixture  |
| Product Use                   | : | Industrial Applications  |

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Components       | CAS-No.    | Weight % |
|------------------|------------|----------|
| Lead chromate    | 7758-97-6  | 0.1 - 1  |
| Titanium dioxide | 13463-67-7 | 1 - 5    |

#### **3. HAZARDS IDENTIFICATION**

#### **EMERGENCY OVERVIEW**

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

#### POTENTIAL HEALTH EFFECTS

| : Inhalation, Skin contact, Ingestion  |  |  |
|--|--|--|
|  |  |  |
| <ul> <li>Resin particles, like other inert materials, can be mechanically irritating.</li> <li>May be harmful if swallowed.</li> <li>Particulates, like other inert materials can be mechanically irritating.</li> <li>Experience shows no unusual dermatitis hazard from routine handling.</li> </ul> |  |  |
| : Refer to Section 11 for Toxicological Information.   |  |  |
|  |  |  |





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| Aggravated by Exposure:   |  |  |  |  |  |
|---|--|--|--|--|--|
|   | 4. FIRST AID MEASURES  |  |  |  |  |
| Inhalation : Move to fresh air in case of accidental inhalation of fum<br>overheating or combustion. When symptoms persist or<br>doubt seek medical advice. |  |  |  |  |  |
| Ingestion   | : Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice.   |  |  |  |  |
| Eyes  | : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.   |  |  |  |  |
| Skin  | : Wash off with soap and plenty of water. If skin irritation persists seel medical attention.  |  |  |  |  |
|   | 5. FIRE-FIGHTING MEASURES  |  |  |  |  |
| Flash point   | : Not applicable   |  |  |  |  |
| Flammable Limits<br>Upper explosion limit<br>Lower explosion limit<br>Autoignition temperature<br>Suitable extinguishing media                              | <ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not relevant</li> <li>Carbon dioxide blanket, water spray, dry powder, foam.</li> </ul>   |  |  |  |  |
| Special Fire Fighting<br>Procedures<br>Unusual Fire/Explosion   | <ul> <li>Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.</li> <li>May emit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under</li> </ul> |  |  |  |  |
| Hazards   | fire conditions.   |  |  |  |  |
|   | 6. ACCIDENTAL RELEASE MEASURES   |  |  |  |  |
| Personal precautions  | : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.   |  |  |  |  |
| Environmental precautions   | : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.   |  |  |  |  |
| Methods for cleaning up   | : Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section 12 of this MSDS for proper disposal methods.  |  |  |  |  |
|   | 7. HANDLING AND STORAGE  |  |  |  |  |
| Handling  | : Take measures to prevent the build up of electrostatic charge Heat only in areas with appropriate exhaust ventilation. Processing fume   |  |  |  |  |



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|--|--|--|--|
| Storage :                                      | condensates may contain combustible or toxic residue. Periodically<br>clean hoods, ducts, and other surfaces to minimize accumulation of<br>these materials.<br>Keep containers dry and tightly closed to avoid moisture absorption<br>and contamination. Keep in a dry, cool place. |  |  |
| 8. EXPOSU                                      | RE CONTROLS / PERSONAL PROTECTION  |  |  |
| Respiratory protection :                       | No personal respiratory protective equipment normally required. If dusty conditions occur wear appropriate respiratory protection.   |  |  |
| Eye/Face Protection :                          | Safety glasses with side-shields.  |  |  |
| Hand protection :                              | Protective gloves.   |  |  |
| Skin and body protection :                     | Long sleeved clothing.   |  |  |
| Additional Protective :<br>Measures            | Safety shoes.  |  |  |
| General Hygiene :<br>Considerations            | : Handle in accordance with good industrial hygiene and safety practice.<br>Wash hands before breaks and at the end of workday.  |  |  |
| Engineering measures :                         | : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.   |  |  |

Exposure limit(s)

| Components       | Value          | Exposure time                | Exposure type | List:   |
|------------------|----------------|------------------------------|---------------|---------|
| Lead chromate    | 1 mg/m3        | PEL:                         | as Cr         | OSHA Z1 |
|                  | 0.05<br>mg/m3  | Time Weighted Average (TWA): | Dust. as Pb   | OSHA    |
|                  | 0.03<br>mg/m3  | OSHA Action level:           | Dust. as Pb   | OSHA    |
|                  | 0.012<br>mg/m3 | Time Weighted Average (TWA): | as Cr         | ACGIH   |
|                  | 0.05<br>mg/m3  | Time Weighted Average (TWA): | as Pb         | ACGIH   |
| Titanium dioxide | 10 mg/m3       | Time Weighted Average (TWA): |               | ACGIH   |
|                  | 15 mg/m3       | PEL:                         | Total dust.   | OSHA Z1 |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form Appearance Color Odor : Solid: powder, granular: TAN: Very faint

Evaporation rate Specific Gravity Bulk density Vapor pressure Not applicableNot determinedNot determinedNot applicable



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| Melting point/range<br>Boiling Point:<br>Water solubility | <ul><li>Not determined</li><li>Not applicable</li><li>Insoluble</li></ul> | Vapour density<br>pH   | <ul><li>Not applicable</li><li>Not applicable</li></ul>                      |  |  |
|---|---|--|--|--|--|
|   | 10. STABILITY AN  | D REACTIVITY   |  |  |  |
| Stability   | : Stable.   |  |  |  |  |
| Hazardous Polymerization                                  | : Will not occur.   |  |  |  |  |
| Conditions to avoid                                       |   | To avoid thermal decomposition, do not overheat. Keep away from oxidizing agents and open flame. |  |  |  |
| Incompatible Materials                                    | -   | strong acids and oxidizin olymers and acetal copoly  |  |  |  |
| Hazardous decomposition products                          | (NOx), hydrogen c<br>smoke are all poss<br>or more) above 39              | 2 °F (200 °C) or short ter<br>product decomposition an   | rdous materials, and<br>approximately 30 minutes<br>m heating at 482 °F (250 |  |  |

### **11. TOXICOLOGICAL INFORMATION**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

<u>Toxicity Overview</u> This product contains the following components which in their pure form have the following characteristics:

| CAS-No.    | Chemical Name    | Effect           | Target Organ                                 |
|------------|------------------|------------------|--|
| 7758-97-6  | Lead chromate    | Systemic effects | central nervous system, reproductive system. |
| 13463-67-7 | Titanium dioxide | Systemic effects | Respiratory system.                          |

LC50 / LD50

This product contains the following components which, in their pure form, have the following toxicity data:

| CAS-No.   | Chemical Name | Route     | Value      | Species |
|-----------|---------------|-----------|------------|---------|
| 7758-97-6 | Lead chromate | Oral LD50 | > 12 gm/kg | mouse   |

Carcinogenicity

This product contains the following components which, in their pure form, have the following carcinogenicity data:

| CAS-No.   | Chemical Name | OSHA | IARC | NTP |
|-----------|---------------|------|------|-----|
| 7758-97-6 | Lead chromate | no   | no   | 1   |

IARC Carcinogen Classifications:

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1 - The component is carcinogenic to humans.

2A - The component is probably carcinogenic to humans.

2B - The component is possibly carcinogenic to humans.

NTP Carcinogen Classifications:

1 - The component is known to be a human carcinogen.

2 - The component is reasonably anticipated to be a human carcinogen.

### Additional Health Hazard Information:

Lead chromate 7758-97-6 Systemic effects include neurotoxic, teratogenic, fetotoxic and reproductive with abdominal pain, anemia, pallor, decreased hand grip strength with characteristic "wrist drop".

### **12. ECOLOGICAL INFORMATION**

| Persistence and degradability | : Not readily biodegradable.  |  |  |
|-------------------------------|---|--|--|
| Environmental Toxicity        | : Adverse ecological impact is not known or expected under normal use   |  |  |
| Bioaccumulation Potential     | : No data available   |  |  |
| Additional advice             | : No data available   |  |  |
|                               | 13. DISPOSAL CONSIDERATIONS   |  |  |
| Product                       | : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. |  |  |
| Contaminated packaging        | : Recycling is preferred when possible. The generator of waste mater<br>has the responsibility for proper waste classification, transportation<br>and disposal in accordance with applicable federal, state/provincial<br>and local regulations.                        |  |  |
|                               | 14. TRANSPORT INFORMATION   |  |  |
| U.S. DOT Classification       | : Not regulated for transportation.   |  |  |
| ICAO/IATA (air)               | : Not regulated for transportation.   |  |  |
| IMO / IMDG (maritime)         | : Not regulated for transportation.   |  |  |
|                               | 15. REGULATORY INFORMATION  |  |  |
| US Regulations:               |   |  |  |
|                               |   |  |  |
| OSHA Status                   | : Classified as hazardous based on components.  |  |  |

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Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

| Chemical Name | CAS-No.   | % in Product | RQ for component | RQ for          |
|---------------|-----------|--------------|------------------|-----------------|
|               |           |              |                  | Mixture/Product |
| Lead sulfate  | 7446-14-2 | 0.0055       | 010 lbs          | 181,818 LB      |

California Proposition 65

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

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

| Chemical Name             | CAS-No.   | Weight % |
|---------------------------|-----------|----------|
| CHROMIUM VI COMPOUNDSLEAD | 7758-97-6 | 0.10     |
| COMPOUNDS, INORGANICLEAD  |           |          |
| COMPOUNDS                 |           |          |
| LEAD COMPOUNDS, INORGANIC | 7446-14-2 | 0.00     |

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

| Chemical Name | CAS-No.   | Weight % | NPRI ID# |
|---------------|-----------|----------|----------|
| Lead chromate | 7758-97-6 | 0.10     | 245      |
| Lead chromate | 7758-97-6 | 0.10     | 246      |

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

| CAS-No.   |  |
|-----------|--|
| 7758-97-6 |  |

:

DSL

All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:



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| Australia AICS    | : | Not determined |
|-------------------|---|----------------|
| China IECS        | : | Not determined |
| Europe EINECS     | : | Not determined |
| Japan ENCS        | : | Not determined |
| Korea KECI        | : | Not determined |
| Philippines PICCS | : | Not determined |
|                   |   |                |

### **16. OTHER INFORMATION**

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