

## MATERIAL SAFETY DATA SHEET

## GEON E7364 BEIGE 3530

Version Number 1.0  
Revision Date 10/22/2002

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**POLYONE CORPORATION**  
33587 Walker Road, Avon Lake, OH 44012

NON-EMERGENCY TELEPHONE : Product Stewardship (440)-930-1395

Emergency telephone number : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : GEON E7364 BEIGE 3530

Product code : VC10000779

Chemical Name : Mixture

CAS-No. : Mixture

Product Use : Industrial Applications

### 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

| Components                     | CAS-No.    | Weight % |
|--------------------------------|------------|----------|
| C.I. Pigment Yellow 164        | 68412-38-4 | 1 - 5    |
| Calcium carbonate              | 1317-65-3  | 1 - 5    |
| Chromium (III) oxide           | 1308-38-9  | 1 - 5    |
| Rutile, antimony chromium buff | 68186-90-3 | 1 - 5    |
| Titanium dioxide               | 13463-67-7 | 5 - 10   |

### 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. See Sections 3 and 11 for additional details. This product may contain residual vinyl chloride monomer (VCM) (CAS number 75-01-4) below 8.5 ppm (0.00085%). OSHA considers VCM a suspect carcinogen and regulates it under 29 CFR 1910.1017. It is unlikely, under normal working conditions with adequate ventilation, that the OSHA action level and the OSHA exposure limits will be exceeded for residual VCM. However, the user should take the necessary precautions (e.g. mechanical ventilation, local exhaust ventilation, air-monitoring, respiratory protection, etc.) to ensure airborne levels of any vapors including VCM or dusts that may be released during heating or processing are below regulated levels.

#### POTENTIAL HEALTH EFFECTS

**Routes of Exposure:** : Inhalation, Ingestion, Skin contact

#### Acute exposure

Inhalation : Resin particles, like other inert materials, can be mechanically irritating.

Ingestion : May be harmful if swallowed.

Eyes : Resin particles, like other inert materials, are mechanically irritating to

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Skin : eyes.  
: Experience shows no unusual dermatitis hazard from routine handling.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

**Medical Conditions  
Aggravated by Exposure:** : None known.

**4. FIRST AID MEASURES**

Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist, or in all cases of 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 seek medical attention.

**5. FIRE-FIGHTING MEASURES**

Flash point : Not applicable

Flammable Limits  
Upper explosion limit : Not applicable  
Lower explosion limit : Not applicable  
Autoignition temperature : Not applicable.  
Suitable extinguishing media : water, dry powder, foam, carbon dioxide (CO<sub>2</sub>).

Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards : May emit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under 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 13 of this MSDS for proper disposal methods.

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Print Date 11/6/2011**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 condensates may contain combustible or toxic residue. Periodically clean hoods, ducts, and other surfaces to minimize accumulation of these materials.
- Storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Eye/Face Protection : Safety glasses with side-shields.
- Hand protection : Protective gloves.
- Skin and body protection : Long sleeved clothing.
- Additional Protective Measures : Safety shoes.
- General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. 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)

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| Components                     | Value                 | Exposure time                | Exposure type     | List:   |
|--------------------------------|-----------------------|------------------------------|-------------------|---------|
| C.I. Pigment Yellow 164        | 5 mg/m <sup>3</sup>   | Ceiling Limit Value:         | Dust. as Mn       | OSHA Z1 |
| C.I. Pigment Yellow 164        | 0.5 mg/m <sup>3</sup> | PEL:                         | Dust. as Sb       | OSHA Z1 |
| C.I. Pigment Yellow 164        | 0.2 mg/m <sup>3</sup> | Time Weighted Average (TWA): | as Mn             | ACGIH   |
| C.I. Pigment Yellow 164        | 0.5 mg/m <sup>3</sup> | Time Weighted Average (TWA): | as Sb             | ACGIH   |
| Calcium carbonate              | 10 mg/m <sup>3</sup>  | Time Weighted Average (TWA): | Total dust.       | ACGIH   |
| Calcium carbonate              | 5 mg/m <sup>3</sup>   | PEL:                         | Respirable dust.  | OSHA Z1 |
|                                | 15 mg/m <sup>3</sup>  | PEL:                         | Total dust.       | OSHA Z1 |
| Chromium (III) oxide           | 0.5 mg/m <sup>3</sup> | Time Weighted Average (TWA): | as Cr             | ACGIH   |
| Chromium (III) oxide           | 1 mg/m <sup>3</sup>   | PEL:                         | as Cr             | OSHA Z1 |
| Rutile, antimony chromium buff | 0.5 mg/m <sup>3</sup> | PEL:                         | Total dust. as Cr | OSHA Z1 |
| Rutile, antimony chromium buff | 1 mg/m <sup>3</sup>   | PEL:                         | as Cr             | OSHA Z1 |
| Rutile, antimony chromium buff | 0.5 mg/m <sup>3</sup> | PEL:                         | as Sb             | OSHA Z1 |
| Rutile, antimony chromium buff | 0.5 mg/m <sup>3</sup> | Time Weighted Average (TWA): | as Cr             | ACGIH   |
| Titanium dioxide               | 10 mg/m <sup>3</sup>  | Time Weighted Average (TWA): | Dust.             | ACGIH   |
| Titanium dioxide               | 15 mg/m <sup>3</sup>  | PEL:                         | Total dust.       | OSHA Z1 |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                     |                   |                  |                   |
|---------------------|-------------------|------------------|-------------------|
| Form                | : Solid           | Evaporation rate | : Not applicable. |
| Appearance          | : Pellets, powder | Specific Gravity | : Not determined  |
| Color               | : TAN             | Bulk density     | : Not established |
| Odor                | : Very faint      | Vapor pressure   | : Not applicable  |
| Melting point/range | : Not determined  | Vapor density    | : Not applicable  |
| Boiling Point:      | : Not applicable  | pH               | : Not applicable  |
| Water solubility    | : Insoluble       |                  |                   |

**10. STABILITY AND REACTIVITY**

|                          |  |
|--------------------------|--|
| Stability                | : Stable.  |
| Hazardous Polymerization | : Will not occur.  |
| Conditions to avoid      | : Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.                                     |
| Incompatible Materials   | : Incompatible with strong acids and oxidizing agents. Avoid contact with acetal homopolymers and acetal copolymers during processing. |

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Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible. Prolonged heating (approximately 30 minutes or more) above 392 °F (200 °C) or short term heating at 482 °F (250 °C) may result in product decomposition and evolution of carbon monoxide and hydrogen chloride.

### 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.

#### Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

| CAS-No.    | Chemical Name                  | Effect           | Target Organ                    |
|------------|--------------------------------|------------------|---------------------------------|
| 68412-38-4 | C.I. Pigment Yellow 164        | Irritant         | Eyes, Skin.                     |
| 1317-65-3  | Calcium carbonate              | Irritant         | Eyes, Skin.                     |
|            |                                | Systemic effects | Eyes, Skin, Respiratory system. |
| 1308-38-9  | Chromium (III) oxide           | Irritant         | Eyes, Skin.                     |
|            |                                | sensitizer       | Skin.                           |
| 68186-90-3 | Rutile, antimony chromium buff | Irritant         | Eyes, Skin.                     |
| 13463-67-7 | Titanium dioxide               | Systemic effects | Respiratory system.             |

#### Additional Health Hazard Information:

**Chromium (III) oxide 1308-38-9** The trivalent form has a low order of acute toxicity but may cause dermatitis, pulmonary sensitization and corrosive effect on eyes.

#### Additional Health Hazard Information:

**Rutile, antimony chromium buff 68186-90-3** Can cause eye irritation. Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Additional symptoms of skin contact may include: antimony measles (a red, pimply rash).

### 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 : Not applicable

### 13. DISPOSAL CONSIDERATIONS

Product : Like most thermoplastics the product can be recycled. 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

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applicable federal, state/provincial and local regulations.

Contaminated packaging : Recycling is preferred when possible. 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.

**14. TRANSPORT INFORMATION**

U.S. DOT Classification : Not regulated for transportation.

ICAO/IATA : Not regulated for transportation.

IMO / IMDG : Not regulated for transportation.

**15. REGULATORY INFORMATION**

## US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on the TSCA inventory or are exempt.

## US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65 : WARNING! This product contains a chemical known in the State of California to cause cancer., WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

## SARA Title III Section 313 Toxic Chemicals:

| Chemical Name                                | CAS-No.    | Weight % |
|--|------------|----------|
| MANGANESE COMPOUNDS<br>ANTIMONY COMPOUNDS    | 68412-38-4 | 02.01    |
| CHROMIUM III COMPOUNDS<br>ANTIMONY COMPOUNDS | 68186-90-3 | 00.80    |
| CHROMIUM III COMPOUNDS                       | 1308-38-9  | 00.96    |

## Canadian Regulations:

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WHMIS Classification : D2A

## WHMIS Ingredient Disclosure List

| CAS-No.    |
|------------|
| 68412-38-4 |
| 1308-38-9  |
| 68186-90-3 |

DSL : Listed.

## National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Listed.

Philippines PICCS : Listed.

**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 used in combination with any other materials or in any process, unless specified in the text.