

MATERIAL SAFETY DATA SHEET

PG 28592 PU PE SL

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012

| NON-EMERGENCY TELEPHONE | : | Product Stewardship (770) 271-5902 |
|-------------------------------|---|--|
| Emergency telephone number | : | CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident). |
| Product name | : | PG 28592 PU PE SL |
| Product code | : | CC10028592 |
| Chemical Name | : | Mixture |
| CAS-No. | : | Mixture |
| Product Use | : | Industrial Applications |

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

| Components | CAS-No. | Weight % |
|------------------|------------|----------|
| Titanium dioxide | 13463-67-7 | 30 - 60 |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors 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.

POTENTIAL HEALTH EFFECTS

| Routes of Exposure: | : Inhalation, Ingestion, Skin contact |
|---|---|
| Acute exposure | |
| Inhalation Ingestion Eyes | Resin particles, like other inert materials, can be mechanically irritating. May be harmful if swallowed. Resin particles, like other inert materials, are mechanically irritating to eyes. |
| Skin | : 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. |



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|---|---|---|---|---|--|--|
| | ar | d contamination. Keep in | a dry, cool place. | | | |
| 8. F | EXPOSURE | CONTROLS / PERSONA | L PROTECTION | | | |
| Respiratory protection | : No personal respiratory protective equipment normally required. | | | | | |
| Eye/Face Protection | : Sa | : Safety glasses with side-shields. | | | | |
| Hand protection | : P1 | : Protective gloves. | | | | |
| Skin and body protection | : Le | : 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) | | | | | | |
| | | | | | | |
| Components | Value | Exposure time | Exposure ty | pe List: | | |
| Titanium dioxide | 10 mg/m3 | Exposure time Time Weighted Average (TWA): | Dust. | ACGIH | | |
| | | Time Weighted Average | | ACGIH | | |
| Titanium dioxide | 10 mg/m3 15 mg/m3 | Time Weighted Average (TWA): | Dust. | ACGIH | | |
| Titanium dioxide Titanium dioxide | 10 mg/m3 15 mg/m3 9. PHYSIC | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P | Total dust | ACGIH | | |
| Titanium dioxide Titanium dioxide | 10 mg/m3 15 mg/m3 | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva | Total dust Total dust ROPERTIES poration rate | ACGIH | | |
| Titanium dioxide Titanium dioxide | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe | Total dust | ACGIH . OSHA Z1 : Not applicable. | | |
| Titanium dioxide Titanium dioxide Form Appearance Color Odor | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : PURI : Very | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vaj | Total dust Total dust ROPERTIES poration rate cific Gravity k density por pressure | ACGIH ACGIH OSHA Z1 Not applicable. Not determined Not established Not applicable | | |
| Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pellet : PURI : Very : Not d | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vap letermined Vap | Dust. Total dust ROPERTIES poration rate cific Gravity k density | ACGIH ACGIH OSHA Z1 Not applicable. Not determined Not established Not applicable Not applicable | | |
| Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pellet : PURI : Very : Not c : Not a | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vap letermined Vap pplicable pH | Total dust Total dust ROPERTIES poration rate cific Gravity k density por pressure | ACGIH ACGIH OSHA Z1 Not applicable. Not determined Not established Not applicable | | |
| Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pellet : PURI : Very : Not d | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vap letermined Vap pplicable pH | Total dust Total dust ROPERTIES poration rate cific Gravity k density por pressure | ACGIH ACGIH OSHA Z1 Not applicable. Not determined Not established Not applicable Not applicable | | |
| Titanium dioxide Titanium dioxide Form Appearance Color Odor | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pellet : PURI : Very : Not d : Not a : Insolu | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vap letermined Vap pplicable pH | Dust. Total dust ROPERTIES aporation rate cific Gravity k density por pressure por density | ACGIH ACGIH OSHA Z1 Not applicable. Not determined Not established Not applicable Not applicable | | |
| Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : PURI : Very : Not d : Insolution 10. S | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vap letermined Vap pplicable pH uble | Dust. Total dust ROPERTIES aporation rate cific Gravity k density por pressure por density | ACGIH ACGIH OSHA Z1 Not applicable. Not determined Not established Not applicable Not applicable | | |
| Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: Water solubility | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pellet : PURI : Very : Not d : Insolut 10. S : St | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vap letermined Vap pplicable pH uble | Dust. Total dust ROPERTIES aporation rate cific Gravity k density por pressure por density | ACGIH ACGIH OSHA Z1 Not applicable. Not determined Not established Not applicable Not applicable | | |
| Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: Water solubility Stability | 10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pellet : PURI : Very : Not d : Not a : Insolution 10. S : St n : W : K | Time Weighted Average (TWA): PEL: CAL AND CHEMICAL P Eva ts Spe PLE Bul faint Vap letermined Vap pplicable pH uble TABILITY AND REACT able. | Dust. Total dust Total dust ROPERTIES aporation rate cific Gravity k density bor pressure bor density | ACGIH OSHA Z1 OSHA Z1 Not applicable. Not determined Not established Not applicable Not applicable Not applicable | | |



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Hazardous decomposition products

: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

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:

| | 12. ECOLOGI | CAL INFORMATION | 1 | | | |
|----------------------------------|--|--|---|--|--|--|
| Persistence and degrada | bility : Not readily b | biodegradable. | | | | |
| Environmental Toxicity | | : Chemicals are not readily available as they are bound within the matrix of the polymer. | | | | |
| Bioaccumulation Potent | | : Chemicals are not readily available as they are bound within the matrix of the polymer. | | | | |
| Additional advice | : No data avai | lable. | | | | |
| | 13. DISPOSAL | CONSIDERATIONS | 9 | | | |
| Product Contaminated packagin | g : Recycling is has the respondent | 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 applicable federal, state/provincial and local regulations. 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. | | | | |
| | 14. TRANSPO | ORT INFORMATION | | | | |
| U.S. DOT Classification | n : Refer to spec | : Refer to specific regulation. | | | | |
| ICAO/IATA | : Refer to spec | : Refer to specific regulation. | | | | |
| IMO / IMDG | : Refer to spec | tific regulation. | | | | |
| | 15. REGULAT | ORY INFORMATION | Ň | | | |
| | | | | | | |



<u>PolyOne</u>

PG 28592 PU PE SL Page 5 of 6 Version Number 1.0 Print Date 11/7/2011 Revision Date 12/21/2002 US Regulations: **OSHA Status** : Classified as hazardous based on components. **TSCA Status** All components of this product are listed on or exempt from the TSCA : Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) Not applicable California Proposition : This product does not contain a substance listed by California Prop 65. 65 Canadian Regulations: WHMIS Classification : D2B DSL All components of this product are on the Canadian Domestic : Substances List (DSL) or are exempt. National Inventories: Australia AICS : Listed. China IECS Listed. ٠ **Europe EINECS** Not determined. Japan ENCS Listed. : 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.

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