

MATERIAL SAFETY DATA SHEET

PG 36381 GN PE

Version Number 1.0 Revision Date 05/09/2003 Page 1 of 6 Print Date *11/11/2011*

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 36381 GN PE |
| Product code | : | CC10036381 |
| 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. |



MATERIAL SAFETY DATA SHEET

PG 36381 GN PE

Version Number 1.0 Page 2 of 6 Revision Date 05/09/2003 Print Date 11/11/2011 **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 relevant : Suitable extinguishing media Carbon dioxide blanket, Water spray, dry powder, foam. : Special Fire Fighting Fullface self-contained breathing apparatus (SCBA) used in positive : Procedures pressure mode should be worn to prevent inhalation of airborne contaminants. Unusual Fire/Explosion None · Hazards 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. Clean up promptly by sweeping or vacuum. Package all material in Methods for cleaning up : plastic, cardboard or metal containers for disposal. Refer to Section 13 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. Storage Keep containers dry and tightly closed to avoid moisture absorption •



MATERIAL SAFETY DATA SHEET

PG 36381 GN PE

| sion Number 1.0 vision Date 05/09/2003 | | | Print | Page 3 Date 11/11/2 | |
|---|-----------|---|---------------------------|------------------------|--|
| | a | nd contamination. Keep in | a dry, cool place. | | |
| 8. E | XPOSURE | CONTROLS / PERSON | AL PROTECTION | | |
| Respiratory protection | : N | o personal respiratory prot | ective equipment normally | y required. | |
| Eye/Face Protection | : S | afety glasses with side-shi | elds. | | |
| Hand protection | : P | rotective gloves. | | | |
| Skin and body protection | : L | ong sleeved clothing. | | | |
| Additional Protective Measures | : S | afety shoes. | | | |
| General Hygiene Considerations | | andle in accordance with g ash hands before breaks a | | safety practice | |
| Engineering measures | | leat only in areas with appr ppropriate exhaust ventilat | | n. Provide | |
| Exposure limit(s) | | | | | |
| | | | | | |
| Components | Value | Exposure time | Exposure type | List: | |
| Titanium dioxide | 10 mg/m3 | Time Weighted Averag (TWA): | | ACGIH | |
| Titanium dioxide | 15 mg/m3 | PEL: | Total dust. | OSHA Z1 | |
| | 9. PHYSIC | CAL AND CHEMICAL I | PROPERTIES | | |
| Form | : Solid | l Ev | aporation rate : No | ot applicable. | |
| Appearance | : Pelle | | | ot determined | |
| Color | : GRE | | • | ot established | |
| Odor | : Very | | • | ot applicable | |
| Melting point/range | | | | ot applicable | |
| Boiling Point: | | | pH : Not applicable | | |
| Water solubility | : Insol | | | ot applicable | |
| | 10.5 | STABILITY AND REAC | ΤΙVITY | | |
| ~ | | | | | |
| Stability | : S | table. | | | |
| Hazardous Polymerization | n : W | Vill not occur. | | | |
| Conditions to avoid | | eep away from oxidizing a ecomposition, do not overl | | avoid thermal | |
| Incompatible Materials | : Ir | ncompatible with strong ac | ids and oxidizing agents. | | |
| | | | | | |



MATERIAL SAFETY DATA SHEET

PG 36381 GN PE

Version Number 1.0 Revision Date 05/09/2003 Page 4 of 6 Print Date *11/11/2011*

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:

| CAS-No. | Chemical Name | Effect | Target Organ |
|------------|------------------|------------------|---------------------|
| 13463-67-7 | Titanium dioxide | Systemic effects | Respiratory system. |

Carcinogenicity:

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

| CAS-No. Chemical Name OSHA IARC NTP | | | | | |
|-------------------------------------|---------|---------------|------|------|-----|
| | CAS-No. | Chemical Name | OSHA | IARC | NTP |

IARC Carcinogen Classifications:

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.

12. ECOLOGICAL INFORMATION

| : | Not readily biodegradable. |
|----|---|
| : | Chemicals are not readily available as they are bound within the matrix of the polymer. |
| : | Chemicals are not readily available as they are bound within the matrix of the polymer. |
| : | No data available. |
| 1. | 3. DISPOSAL CONSIDERATIONS |
| : | 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. |
| - | : |



MATERIAL SAFETY DATA SHEET

PG 36381 GN PE

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|-------------------------------|--|
| | and disposal in accordance with applicable federal, state/provincial and local regulations. |
| | 14. TRANSPORT INFORMATION |
| U.S. DOT Classification | : Refer to specific regulation. |
| ICAO/IATA | : Refer to specific regulation. |
| IMO / IMDG | : Refer to specific regulation. |
| | 15. REGULATORY INFORMATION |
| 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 Hazardou | s Substances (40 CFR 302) |
| Not applicable | |
| California Proposition 65 | : This product does not contain a substance listed by California Prop 65. |
| SARA Title III Section 302 E | xtremely Hazardous Substance |
| Not applicable | |
| SARA Title III Section 313 Te | oxic Chemicals: |
| Not applicable | |
| Canadian Regulations: | |
| WHMIS Classification | n : D2B |
| DSL | : All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt. |
| | |



MATERIAL SAFETY DATA SHEET

PG 36381 GN PE

Version Number 1.0 Page 6 of 6 Revision Date 05/09/2003 Print Date 11/11/2011 Australia AICS : Listed. China IECS : Listed. **Europe EINECS** Not determined. : Japan ENCS Not determined. : Korea KECI Not determined. : **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.