

## MATERIAL SAFETY DATA SHEET

**GRAY**

Version Number 1.0  
Revision Date 11/26/2001

Page 1 of 6  
Print Date 11/2/2011

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>
--

**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 : GRAY  
 Product code : CC10006091  
 Chemical Name : Mixture  
 CAS-No. : Mixture  
 Product Use : Industrial Applications

<b>2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS</b>
--

Components	CAS-No.	Weight %
Rutile, antimony chromium buff	68186-90-3	5 - 10
Titanium dioxide	13463-67-7	60 - 100

<b>3. HAZARDS IDENTIFICATION</b>
----------------------------------

**EMERGENCY OVERVIEW**

This mixture has not been evaluated as a whole. 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 his employee from exposure. See sections 3 and 11 for special precautions.

**POTENTIAL HEALTH EFFECTS**

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

**Acute exposure**

Inhalation : Resin particles, like other inert materials, can be mechanically irritating.  
 Ingestion : May be harmful if swallowed.  
 Eyes : Particulates, like other inert materials can be mechanically irritating.  
 Skin : Experience shows no unusual dermatitis hazard from routine handling.

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

**Medical Conditions** : None known.

**Aggravated by Exposure:**

## MATERIAL SAFETY DATA SHEET

**GRAY**

Version Number 1.0  
Revision Date 11/26/2001

Page 2 of 6  
Print Date 11/2/2011

**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 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 : none

**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.

**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

**GRAY**

Version Number 1.0  
Revision Date 11/26/2001

Page 3 of 6  
Print Date 11/2/2011

and contamination. Keep in a dry, cool place.

### 8. EXPOSURE 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 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 type	List:
Rutile, antimony chromium buff	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Total dust. as Cr	ACGIH
	0.5 mg/m <sup>3</sup>	PEL:	Total dust. as Cr	OSHA Z1
	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	as Sb	ACGIH
	0.5 mg/m <sup>3</sup>	PEL:	Total dust. as Sb	OSHA Z1
Titanium dioxide	10 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Total dust.	ACGIH
	15 mg/m <sup>3</sup>	PEL:	Total dust.	OSHA Z1

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- |                     |                    |                  |                   |
|---------------------|--------------------|------------------|-------------------|
| Form                | : Solid            | Evaporation rate | : Not applicable. |
| Appearance          | : powder, granular | Specific Gravity | : Not determined. |
| Color               | : GREY             | Bulk density     | : Not determined. |
| 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.

## MATERIAL SAFETY DATA SHEET

**GRAY**

Version Number 1.0  
Revision Date 11/26/2001

Page 4 of 6  
Print Date 11/2/2011

- 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 : Incompatible with strong acids and oxidizing agents.
- 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.

**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
68186-90-3	Rutile, antimony chromium buff	Irritant	Eyes, Skin.
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.

**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 : Not inherently biodegradable.
- 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 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

**GRAY**

Version Number 1.0  
Revision Date 11/26/2001

Page 5 of 6  
Print Date 11/2/2011

**14. TRANSPORT INFORMATION**

U.S. D.O.T. / CA T.D.G. Classification (Non-bulk ground) : 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.

California Proposition 65 : This product does not contain a substance listed by California Prop 65.

## SARA Title III Section 313 Toxic Chemicals:

Chemical Name	CAS-No.	Weight %
CHROMIUM III COMPOUNDS	68186-90-3	8.00
ANTIMONY COMPOUNDS		

## Canadian Regulations:

WHMIS Classification : D2B

## WHMIS Ingredient Disclosure List

CAS-No.
68186-90-3

DSL : Listed.

## National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Listed.

POLYONE CORPORATION



MATERIAL SAFETY DATA SHEET

**GRAY**

Version Number 1.0  
Revision Date 11/26/2001

Page 6 of 6  
Print Date 11/2/2011

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.