

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****SMOKE**Version Number 1.1  
Revision Date 01/21/2004Page 1 of 7  
Print Date 11/13/2011**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 : SMOKE

Product code : CC10018335

Chemical Name : Mixture

CAS-No. : Mixture

Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

| Components                     | CAS-No.    | Weight % |
|--------------------------------|------------|----------|
| Rutile, antimony chromium buff | 68186-90-3 | 1 - 5    |
| Calcium carbonate              | 1317-65-3  | 5 - 10   |
| Titanium dioxide               | 13463-67-7 | 10 - 30  |

**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 : Particulates, like other inert materials can be mechanically irritating. Excessive inhalation of product vapors, especially during heating or processing, may be irritating to respiratory system.

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.

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****SMOKE**

Version Number 1.1  
Revision Date 01/21/2004

Page 2 of 7  
Print Date 11/13/2011

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

**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** : Carbon dioxide blanket, water spray, dry powder, foamnone.

**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** : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible. 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.

**7. HANDLING AND STORAGE**

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**SMOKE**

Version Number 1.1  
Revision Date 01/21/2004

Page 3 of 7  
Print Date 11/13/2011

- 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 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)

| Components                     | Value     | Exposure time                | Exposure type        | List:   |
|--------------------------------|-----------|------------------------------|----------------------|---------|
| Calcium carbonate              | 5 mg/m3   | PEL:                         | Respirable fraction. | OSHA Z1 |
|                                | 15 mg/m3  | PEL:                         | Total dust.          | OSHA Z1 |
| Rutile, antimony chromium buff | 1 mg/m3   | PEL:                         |                      | OSHA Z1 |
|                                | 0.5 mg/m3 | PEL:                         | as Sb                | OSHA Z1 |
|                                | 0.5 mg/m3 | Time Weighted Average (TWA): | as Cr                | ACGIH   |
|                                | 0.5 mg/m3 | Time Weighted Average (TWA): | as Sb                | 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 : Solid
- Appearance : Pellets
- Color : GREY
- Odor : Very faint
- Melting point/range : Not determined
- Evaporation rate : Not applicable
- Specific Gravity: : Not determined
- Bulk density : Not established
- Vapor pressure : Not applicable
- Vapour density : Not applicable



**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****SMOKE**Version Number 1.1  
Revision Date 01/21/2004Page 5 of 7  
Print Date 11/13/2011

Environmental Toxicity : Chemicals are not readily available as they are bound within the matrix of the polymer.

Bioaccumulation Potential : Chemicals are not readily available as they are bound within the matrix of the polymer.

Additional advice : No data available

**13. DISPOSAL CONSIDERATIONS**

Product : Like most thermoplastic plastics 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.

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 (air) : Refer to specific regulation.

IMO / IMDG (maritime) : 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 Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**SMOKE**

Version Number 1.1  
Revision Date 01/21/2004

Page 6 of 7  
Print Date 11/13/2011

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

| Chemical Name                            | CAS-No.    | Weight % |
|--|------------|----------|
| CHROMIUM III COMPOUNDSANTIMONY COMPOUNDS | 68186-90-3 | 1.32     |

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

| Chemical Name                  | CAS-No.    | Weight % | NPRI ID# |
|--------------------------------|------------|----------|----------|
| Rutile, antimony chromium buff | 68186-90-3 | 1.32     | 68       |
| Rutile, antimony chromium buff | 68186-90-3 | 1.32     | 17       |

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

| CAS-No.    |
|------------|
| 68186-90-3 |

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

National Inventories:

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**



# POLYONE CORPORATION

## MATERIAL SAFETY DATA SHEET

### **SMOKE**

Version Number 1.1  
Revision Date 01/21/2004

Page 7 of 7  
Print Date 11/13/2011

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