

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****RED 032C**Version Number 1.0  
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Print Date 11/12/2011**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 : RED 032C

Product code : CC10044546

Chemical Name : Mixture

CAS-No. : Mixture

Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

| Components        | CAS-No.    | Weight % |
|-------------------|------------|----------|
| Silica, amorphous | 7631-86-9  | 1 - 5    |
| 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 : 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.



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**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 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 scoop 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.

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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. If dusty conditions occur wear appropriate respiratory protection.

Eye/Face Protection : safety glasses

Hand protection : Protective gloves.

Skin and body protection : Long sleeved clothing.

Additional Protective Measures : Safety shoes.

General Hygiene Considerations : Wash hands and face before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice for diagnostics.

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:   |
|-------------------|----------|------------------------------|---------------|---------|
| Silica, amorphous | 20 mppcf | PEL:                         | Total dust.   | OSHA    |
|                   | 20 mppcf | PEL:                         | Total dust.   | Z3      |
| 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               | Evaporation rate | : Not applicable |
| Appearance          | : flakes              | Specific Gravity | : Not determined |
| Color               | : RED                 | Bulk density     | : Not determined |
| Odor                | : Very faint          | Vapor pressure   | : Not determined |
| Melting point/range | : Greater than 130 °C | Vapour density   | : Not determined |
| Boiling Point:      | : Not applicable      | pH               | : Not applicable |
| Water solubility    | : Insoluble           |                  |                  |

**10. STABILITY AND REACTIVITY**

Stability : Stable.

Hazardous Polymerization : Will not occur.

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- Conditions to avoid : To avoid thermal decomposition, do not overheat.
- 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>), dense black smoke.

**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              |
|------------|-------------------|------------------|---------------------------|
| 7631-86-9  | Silica, amorphous | Irritant         | Eyes, Respiratory system. |
| 13463-67-7 | Titanium dioxide  | Systemic effects | Respiratory system.       |

**12. ECOLOGICAL INFORMATION**

- Persistence and degradability : Not readily biodegradable.
- Environmental Toxicity : Chemicals are not readily available as they are bound within the matrix of the polymer.
- Bioaccumulation Potential : Not inherently biodegradable.
- Additional advice : Chemicals are not readily available as they are bound within the matrix of the polymer.

**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.

**14. TRANSPORT INFORMATION**

- U.S. DOT Classification : Refer to specific regulation.
- ICAO/IATA (air) : Refer to specific regulation.

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

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

Not applicable

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

Not applicable

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

|           |
|-----------|
| CAS-No.   |
| 7631-86-9 |

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

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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 when used in combination with any other materials and/or in any particular process or processing conditions.