



# POLYONE CORPORATION

## MATERIAL SAFETY DATA SHEET

### 15370MCVFF SILVER SHIMMER

Version Number 1.3  
Revision Date 07/14/2004

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#### 1. PRODUCT AND COMPANY IDENTIFICATION

**POLYONE CORPORATION**  
8155 Cobb Center Drive, Kennesaw, GA 30152

Telephone : Product Stewardship (770) 590-3500 x.3563  
Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Product name : 15370MCVFF SILVER SHIMMER  
Product code : FO00000644PW  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

#### 2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

| Components                                            | CAS-No.     | Weight % |
|-------------------------------------------------------|-------------|----------|
| 1,2-Benzenedicarboxylic acid, butyl phenylmethylester | 85-68-7     | 30 - 60  |
| Silica, amorphous, fumed, crystal-free                | 112945-52-5 | 1 - 5    |
| Aluminum                                              | 7429-90-5   | 5 - 10   |

#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. 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 employees from exposure. See sections 8 and 11 for special precautions.

#### POTENTIAL HEALTH EFFECTS

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

##### Acute exposure

Inhalation : Inhalation of airborne droplets may cause irritation of the respiratory tract.  
Ingestion : May be harmful if swallowed.  
Eyes : May cause eye/skin irritation.  
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 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** : No data available

**Flammable Limits**  
Upper explosion limit : No data available  
Lower explosion limit : No data available

**Autoignition temperature** : Not applicable

**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** : May emit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under fire conditions. Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

**Environmental precautions** : The product should not be allowed to enter drains, water courses or the soil. Should not be released into the environment.

**Methods for cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

**7. HANDLING AND STORAGE**



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**10. STABILITY AND REACTIVITY**

- Stability : Stable.
- Hazardous Polymerization : Will not occur.
- Conditions to avoid : Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.
- Incompatible Materials : Incompatible with strong acids and oxidizing agents., Avoid contact with acetal homopolymers and acetal copolymers during processing.
- Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), hydrogen chloride (HCl), other hazardous materials, and smoke are all possible. Prolonged heating may result in product degradation. As a general rule of thumb, degradation begins to occur after one hour at 177 °C (350 °F), after 10 minutes at 204 °C (400 °F), and within 5 minutes at 232 °C (450 °F).

**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                    |
|-------------|-------------------------------------------------------|------------------|---------------------------------|
| 85-68-7     | 1,2-Benzenedicarboxylic acid, butyl phenylmethylester | Irritant         | Eyes, Skin.                     |
|             |                                                       | Systemic effects | Liver, reproductive system.     |
| 112945-52-5 | Silica, amorphous, fumed, crystal-free                | Irritant         | Eyes, Respiratory system.       |
| 7429-90-5   | Aluminum                                              | Irritant         | Skin, Respiratory system.       |
|             |                                                       | Systemic effects | Eyes, Skin, Respiratory system. |

LC50 / LD50

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

| CAS-No.     | Chemical Name                                         | Route                    | Value                     | Species       |
|-------------|-------------------------------------------------------|--------------------------|---------------------------|---------------|
| 85-68-7     | 1,2-Benzenedicarboxylic acid, butyl phenylmethylester | Oral LD50<br>Dermal LD50 | 2,330 mg/kg<br>> 10 gm/kg | rat<br>rabbit |
| 112945-52-5 | Silica, amorphous, fumed, crystal-free                | Oral LD50                | 3,160 mg/kg               | rat           |

**12. ECOLOGICAL INFORMATION**

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Persistence and degradability : Not readily biodegradable.  
Environmental Toxicity : Environmental toxicity has not been established for this mixture as a whole.  
Bioaccumulation Potential : No data available  
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.

**14. TRANSPORT INFORMATION**

U.S. DOT Classification  
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Technical Name:  
Hazard Class / Division 9  
UN Number UN3082  
Packing Group III  
Label Required 9  
Hazardous Substance Butyl benzyl phthalate  
Reportable quantity: 272 LB  
  
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)

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| Chemical Name                                         | CAS-No. | % in Product | RQ for component | RQ for Mixture/Product |
|-------------------------------------------------------|---------|--------------|------------------|------------------------|
| 1,2-Benzenedicarboxylic acid, butyl phenylmethylester | 85-68-7 | 36.7662      | 100 lbs          | 272 LB                 |

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

SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

| Chemical Name           | CAS-No.   | Weight % |
|-------------------------|-----------|----------|
| ALUMINUM (FUME OR DUST) | 7429-90-5 | 6.50     |

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

| Chemical Name                                         | CAS-No.   | Weight % | NPRI ID# |
|-------------------------------------------------------|-----------|----------|----------|
| Aluminum                                              | 7429-90-5 | 6.50     | 12       |
| 1,2-Benzenedicarboxylic acid, butyl phenylmethylester | 85-68-7   | 36.76    | 37       |

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

|           |
|-----------|
| CAS-No.   |
| 7429-90-5 |
| 85-68-7   |

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     | : | Listed         |
| Japan ENCS        | : | Not determined |
| 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 when used in combination with any other materials and/or in any particular process or processing conditions.