

## MATERIAL SAFETY DATA SHEET

### 3060 427 WHITE MLDG LOWER VISC

Version Number 1.0  
Revision Date 08/16/2002

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#### 1. PRODUCT AND COMPANY IDENTIFICATION

**POLYONE CORPORATION**  
2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE : Product Stewardship, (314) 771-1800  
Emergency telephone number : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : 3060 427 WHITE MLDG LOWER VISC  
Product code : FO00000204  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

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

| Components         | CAS-No.    | Weight % |
|--------------------|------------|----------|
| Strontium chromate | 7789-06-2  | 0.1 - 1  |
| Titanium dioxide   | 13463-67-7 | 1 - 5    |
| Kaolin             | 1332-58-7  | 10 - 30  |

#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

This product is a water based mixture with an ammonia odor. The 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. The product is not combustible, but it will burn if involved in a fire, releasing hydrocarbon products of combustion. Inhalation of the ammonia from this product may cause respiratory irritation, coughing, sore throat, and labored breathing.

##### POTENTIAL HEALTH EFFECTS

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

##### Acute exposure

Inhalation : Symptoms of breathing ammonia vapor concentrated from this product may include laryngitis, tracheitis, pulmonary edema, dyspnea, bronchospasms, and chest pains or pneumonitis. Symptoms are typically reversible.

Ingestion : May be harmful if swallowed.

Eyes : Liquid, aerosol, or vapors of this product are irritating and may cause tearing, reddening, and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Skin : Skin contact may cause redness, irritation, and burns.

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

**Medical Conditions** : None known.

**Aggravated by Exposure:**

#### 4. FIRST AID MEASURES

- Inhalation** : Move to fresh air in case of accidental inhalation of vapors or 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. Never give anything by mouth to an unconscious person. Seek medical attention if necessary.
- 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** : No data available.
- Suitable extinguishing media** : carbon dioxide (CO<sub>2</sub>), water, foam, dry chemical.
- Special Fire Fighting Procedures** : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
- Unusual Fire/Explosion Hazards** : Burning dry latex produces dense black smoke with the possibility of toxic vapors. Residual latex material contained in empty drums may decompose when burned producing toxic or irritating fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Ensure response personnel are properly protected (see section 8 for respiratory or other protection guidelines.) Use caution as floors may be slippery.
- Environmental precautions** : The product should not be allowed to enter drains, water courses or the soil.
- Methods for cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder,

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universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE**

- Handling : Use only in area provided with appropriate exhaust ventilation. Prolonged heating may result in product degradation. Material may settle during storage. Careful mixing without introduction of air may be necessary before use.
- Storage : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool place. Keep from freezing and temperature extremes.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Respiratory protection : A respirator is normally not required for routine handling of product in areas of good general ventilation and adequate local exhaust at processing equipment during routine operation. If using a cartridge respirator, an ammonia cartridge is required to filter out potential excess ammonia vapors.
- Eye/Face Protection : Safety glasses with side-shields. Wear goggles or face shield during operations that present a splash potential.
- Hand protection : Impervious gloves such as rubber or PVC
- Skin and body protection : Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves, and eye/face protection.
- Additional Protective Measures : Safety shoes
- General Hygiene Considerations : Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.
- Engineering measures : Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure limit(s)

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| Components         | Value                    | Exposure time                | Exposure type        | List:    |
|--------------------|--------------------------|------------------------------|----------------------|----------|
| Kaolin             | 2 mg/m <sup>3</sup>      | Time Weighted Average (TWA): | Respirable dust.     | ACGIH    |
| Kaolin             | 5 mg/m <sup>3</sup>      | PEL:                         | Respirable fraction. | OSHA Z1  |
|                    | 15 mg/m <sup>3</sup>     | PEL:                         | Total dust.          | OSHA Z1  |
| Titanium dioxide   | 10 mg/m <sup>3</sup>     | Time Weighted Average (TWA): | Total dust.          | ACGIH    |
| Titanium dioxide   | 15 mg/m <sup>3</sup>     | PEL:                         | Total dust.          | OSHA Z1  |
| Strontium chromate | 0.0005 mg/m <sup>3</sup> | Time Weighted Average (TWA): | as Cr                | ACGIH    |
| Strontium chromate | 0.10 mg/m <sup>3</sup>   | Ceiling Limit Value:         | as chromate          | OSHA Z2  |
| Strontium chromate | 0.1 mg/m <sup>3</sup>    | Ceiling Limit Value:         | as CrO <sub>3</sub>  | OSHA Z1A |
| Strontium chromate | 0.5 mg/m <sup>3</sup>    | Time Weighted Average (TWA): |                      | MX OEL   |
|                    | 1 mg/m <sup>3</sup>      | Time Weighted Average (TWA): |                      | MX OEL   |
|                    | 0.5 mg/m <sup>3</sup>    | Time Weighted Average (TWA): |                      | MX OEL   |
|                    | 1 mg/m <sup>3</sup>      | PEL:                         |                      | OSHA Z1  |
| Strontium chromate | 1 mg/m <sup>3</sup>      | Time Weighted Average (TWA): |                      | OSHA Z1A |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                     |                       |                  |                             |
|---------------------|-----------------------|------------------|-----------------------------|
| Form                | : Liquid              | Evaporation rate | : Slower than Butyl Acetate |
| Appearance          | : Liquid              | Specific Gravity | : Not determined            |
| Color               | : WHITE               | Bulk density     | : Not applicable.           |
| Odor                | : Slight ammonia      | Vapor pressure   | : Not established           |
| Melting point/range | : Not applicable      | Vapor density    | : Heavier than air.         |
| Boiling Point:      | : Not applicable      | pH               | : Not determined            |
| Water solubility    | : Completely miscible |                  |                             |

**10. STABILITY AND REACTIVITY**

|                                  |  |
|----------------------------------|--|
| Stability                        | : Stable.  |
| Hazardous Polymerization         | : Will not occur.  |
| Conditions to avoid              | : Extremes of temperature and direct sunlight. Keep from freezing.   |
| Incompatible Materials           | : Acids, metal salts, and solvents   |
| 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**

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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                          |
|------------|--------------------|------------------|---------------------------------------|
| 7789-06-2  | Strontium chromate | Corrosive        | Eyes, Respiratory system.             |
| 13463-67-7 | Titanium dioxide   | Systemic effects | Respiratory system.                   |
| 1332-58-7  | Kaolin             | Systemic effects | Respiratory system, digestive 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 |
|-----------|--------------------|------|------|-----|
| 7789-06-2 | Strontium chromate | no   | no   | 1   |

## 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**

- Persistence and degradability : No data available.
- Environmental Toxicity : No data available.
- 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.

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**14. TRANSPORT INFORMATION**

U.S. DOT / CA TDG Classification : 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.

## US. EPA CERCLA Hazardous Substances (40 CFR 302)

| Chemical Name | CAS-No.  | % in Product | RQ for component | RQ for Mixture/Product |
|---------------|----------|--------------|------------------|------------------------|
| Ziram         | 137-30-4 | 0.15         | 001 lbs          | 658 LB                 |

California Proposition 65 : WARNING! This product contains a chemical known in the State of California to cause cancer., WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

SARA Title III Section 302 Extremely Hazardous Substance  
Not applicable

## SARA Title III Section 313 Toxic Chemicals:

| Chemical Name         | CAS-No.   | Weight % |
|-----------------------|-----------|----------|
| CHROMIUM VI COMPOUNDS | 7789-06-2 | 00.59    |

## Canadian Regulations:

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.

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|           |
|-----------|
| 7789-06-2 |
|-----------|

DSL : Listed.

## 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**

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.