# POLYONE CORPORATION

## MATERIAL SAFETY DATA SHEET

## G369BBLACKK

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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

| Telephone<br>Emergency telephone<br>number | : | Product Stewardship (770) 590-3500 x.3563<br>CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure<br>or accident). |
|--|---|--|
| Product name                               | : | G369BBLACKK  |
| Product code                               | : | FO00004696   |
| Chemical Name                              | : | Mixture  |
| CAS-No.                                    | : | Mixture  |
| Product Use                                | : | Industrial Applications  |
| Product Use                                | : | Industrial Applications  |

## 2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

| Components                             | CAS-No.     | Weight % |
|--|-------------|----------|
| Magnesium carbonate                    | 546-93-0    | 1 - 5    |
| Silica, amorphous, fumed, crystal-free | 112945-52-5 | 1 - 5    |
| Calcium carbonate                      | 1317-65-3   | 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

| <b>Routes of Exposure:</b> | : 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<br>Aggravated by Exposure:  | : None known.   |
|--|---|
|  | 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 see medical attention.  |
|  | 5. FIRE-FIGHTING MEASURES   |
| Flash point  | : No data available   |
| Flammable Limits<br>Upper explosion limit<br>Lower explosion limit<br>Autoignition temperature<br>Suitable extinguishing media<br>Special Fire Fighting<br>Procedures<br>Unusual Fire/Explosion<br>Hazards | <ul> <li>No data available</li> <li>No data available</li> <li>Not applicable</li> <li>Carbon dioxide blanket, water spray, dry powder, foam.</li> <li>Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.</li> <li>May emit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under fire conditions. Carbon dioxide (CO2), carbon monoxide (CO), oxide of nitrogen (NOx), other hazardous materials, and smoke are all possible.</li> </ul> |
|  | 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<br>universal binder, sawdust). Package all material in appropriate<br>container for disposal. Refer to Section 13 of this MSDS for proper<br>disposal methods.  |
|  | 7. HANDLING AND STORAGE   |

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|--|--|
| Handling :                                     | Heat only in areas with appropriate exhaust ventilation. Processing<br>fume condensates may contain combustible or toxic residue.<br>Periodically clean hoods, ducts, and other surfaces to minimize<br>accumulation of these materials. |
| Storage :                                      | Keep containers dry and tightly closed to avoid moisture absorption<br>and contamination. Store in a cool dry place.   |
| 8. EXPOSU                                      | RE 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 :<br>Measures            | Safety shoes.  |
| General Hygiene :<br>Considerations            | Handle in accordance with good industrial hygiene and safety practice.<br>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 |
| Magnesium carbonate | 10 mg/m3  | Time Weighted Average | Dust.                | ACGIH   |
|                     |           | (TWA):                |                      |         |
|                     | 5 mg/m3   | PEL:                  | Respirable fraction. | OSHA Z1 |
|                     | 15 mg/m3  | PEL:                  | Total dust.          | OSHA Z1 |
| Silica, amorphous,  | 20 mppcf  | PEL:                  | Total dust.          | Z3      |
| fumed, crystal-free |           |                       |                      |         |
|                     | 0.8 mg/m3 | Time Weighted Average |                      | Z3      |
|                     |           | (TWA):                |                      |         |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form Appearance Color Odor Melting point/range
- liquid
  Viscous, liquid
  BLACK
  Very faint
  Not applicable

Evaporation rate Specific Gravity: Bulk density Vapor pressure Vapour density Not established
Not determined
Not applicable
Not determined
Not determined

| OLYONE CORPORATION PolyOne                   |   |  |  |  |
|--|---|--|--|--|
| ATERIAL SAFETY DATA S                        | HEET  |  |  |  |
| 369BBLACKK                                   |   |  |  |  |
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| Boiling Point:<br>Water solubility           | : Not applicable pH : Not applicable<br>: Immiscible  |  |  |  |
|  | 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             | <ul> <li>Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), 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).</li> </ul> |  |  |  |

## 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.

<u>Toxicity Overview</u> This product contains the following components which in their pure form have the following characteristics:

| CAS-No.     | Chemical Name                          | Effect           | Target Organ                    |
|-------------|--|------------------|---------------------------------|
| 546-93-0    | Magnesium carbonate                    | Irritant         | Skin.                           |
|             |  | Systemic effects | Eyes, Skin, Respiratory system. |
| 112945-52-5 | Silica, amorphous, fumed, crystal-free | Irritant         | Eyes, Respiratory system.       |
| 1317-65-3   | Calcium carbonate                      | Irritant         | Eyes, Skin.                     |
|             |  | 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 |
|-------------|--|-----------|-------------|---------|
| 112945-52-5 | Silica, amorphous, fumed, crystal-free | Oral LD50 | 3,160 mg/kg | rat     |

## **12. ECOLOGICAL INFORMATION**

Persistence and degradability

: Not readily biodegradable.

**Environmental Toxicity** 

: Environmental toxicity has not been established for this mixture as a

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|---------------------|
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| roduct : Where po<br>generator<br>classificat<br>applicable<br>ontaminated packaging : Recycling<br>has the re<br>and dispo<br>and local<br>14. TRANS<br>.S. DOT Classification : Refer to s<br>CAO/IATA (air) : Refer to s<br>AO / IMDG (maritime) : Refer to s<br>15. REGULA<br>S Regulations:<br>OSHA Status : Classified  | vailable         AL CONSIDERATIONS         ssible recycling is preferred to disposal or incineration. The of waste material has the responsibility for proper waste ion, transportation and disposal in accordance with e federal, state/provincial and local regulations.         g is preferred when possible. The generator of waste material sponsibility for proper waste classification, transportation sal in accordance with applicable federal, state/provincial regulations.         PORT INFORMATION         pecific regulation.         pecific regulation.         pecific regulation. |
|---|---|
| roduct : Where po<br>generator<br>classifical<br>applicable<br>ontaminated packaging : Recycling<br>has the re<br>and dispo<br>and local<br><b>14. TRANS</b><br>.S. DOT Classification : Refer to s<br>CAO/IATA (air) : Refer to s<br>CAO/IATA (air) : Refer to s<br>MO / IMDG (maritime) : Refer to s<br><b>15. REGUL</b> A<br>S Regulations:<br>OSHA Status : Classified<br>TSCA Status : All comp<br>Inventory<br>S. EPA CERCLA Hazardous Substances (40 | ssible recycling is preferred to disposal or incineration. Th<br>of waste material has the responsibility for proper waste<br>ion, transportation and disposal in accordance with<br>e federal, state/provincial and local regulations.<br>g is preferred when possible. The generator of waste materia<br>sponsibility for proper waste classification, transportation<br>sal in accordance with applicable federal, state/provincial<br>regulations.<br><b>PORT INFORMATION</b><br>pecific regulation.<br>pecific regulation.   |
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| MO / IMDG (maritime) : Refer to s<br>15. REGULA<br>S Regulations:<br>OSHA Status : Classified<br>TSCA Status : All comp<br>Inventory<br>S. EPA CERCLA Hazardous Substances (40  | -   |
| 15. REGULA         S Regulations:         OSHA Status       : Classified         TSCA Status       : All comp         Inventory       S. EPA CERCLA Hazardous Substances (40)   | pecific regulation.   |
| S Regulations:<br>OSHA Status : Classified<br>TSCA Status : All comp<br>Inventory<br>S. EPA CERCLA Hazardous Substances (40   |   |
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| TSCA Status : All comp<br>Inventory<br>S. EPA CERCLA Hazardous Substances (40   |   |
| Inventory<br>S. EPA CERCLA Hazardous Substances (40   | as hazardous based on components.   |
|   | onents of this product are listed on or exempt from the TSC.  |
| Not applicable  | CFR 302)  |
|   |   |
| California Proposition : Not appli<br>65  | cable   |
| ARA Title III Section 302 Extremely Hazard<br>Not applicable  |   |
| ARA Title III Section 313 Toxic Chemicals:  | bus Substance   |

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| Not applicable<br>Canadian Regulations:     |   |  |  |  |  |
|---|---|--|--|--|--|
| National Pollutant Release Inventory (NPRI) |   |  |  |  |  |
| Not applicable                              |   |  |  |  |  |
| WHMIS Classification                        | : | D2B  |  |  |  |
| 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  |  |  |  |

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.