

## 87581GNSGICHROMEYELLOW

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### 1.PRODUCTANDCOMPANYIDENTIFICATION

**POLYONECORPORATION**  
2700PapinStreet,St.Louis,MO63103

NON-EMERGENCY TELEPHONE : ProductStewardship,(314)771-1800  
Emergencytelephone number : **CHEMTREC1-800-424-9300(24hrsforspill,leak,fire,exposure oraccident).**

Productname : 87581GNSGICHROMEYELLOW  
Productcode : FO00011963  
ChemicalName : Mixture  
CAS-No. : Mixture  
ProductUse : IndustrialApplications

### 2.COMPOSITION/INFORMATIONONHAZARDOUSINGREDIENTS

| Components  | CAS-No.    | Weight% |
|---|------------|---------|
| 1,2-Benzenedicarboxylicacid,butyl phenylmethylester | 85-68-7    | 1- 5    |
| Calciumcarbonate                                    | 1317-65-3  | 10- 30  |
| Titaniumdioxide                                     | 13463-67-7 | 10- 30  |

### 3.HAZARDSIDENTIFICATION

#### EMERGENCYOVERVIEW

Thismixturehasnotbeenevaluatedasawholeforhealtheffects.Informationprovidedonhealth effectsofthisproductisbasedontheindividualcomponents.However,somevaporsorcontaminants maybereleaseduponheatingandtheend-user(fabricator)musttakethenecessaryprecautions (mechanicalventilation,respiratoryprotection,etc.)toprotectemployeesfromexposure.See sections8and11forspecialprecautions.

#### POTENTIALHEALTHEFFECTS

**RoutesofExposure:** : Inhalation,Skincontact,Ingestion

#### Acuteexposure

Inhalation : Inhalationofairbornedropletsmaycauseirritationoftherespiratory tract.  
Ingestion : Maybeharmfulifswallowed.  
Eyes : Maycauseeye/skinirritation.  
Skin : Experienceshowsnounusualdermatitishazardfromroutinehandling.

**Chronicexposure** : RefertoSection11forToxicologicalInformation.

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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 in all cases of doubt seek medical advice.

**Ingestion** : Do not induce vomiting without medical advice. When symptoms persist 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**

**Flashpoint** : 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, dry powder, foam, Water spray .

**Special Fire Fighting Procedures** : Full face 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.

**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 cleanup** : 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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Handling : Heat only in areas with appropriate exhaust ventilation. Processing fume condensates may contain combustible or toxic residue. Periodically clean hoods, ducts, and other surfaces to minimize accumulation of these materials.

Storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection : Under normal handling conditions a respirator may not be 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)

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| Components        | Value   | Exposure time                     | Exposure type        | List:   |
|-------------------|---------|-----------------------------------|----------------------|---------|
| Calcium carbonate | 10mg/m3 | Time Weighted Average (TWA):      |                      | ACGIH   |
| Calcium carbonate | 5mg/m3  | PEL:                              | Respirable fraction. | OSHA Z1 |
|                   | 15mg/m3 | PEL:                              | Total dust.          | OSHA Z1 |
| Calcium carbonate | 5mg/m3  | Recommended exposure limit (REL): | Respirable.          | NIOSH   |
|                   | 10mg/m3 | Recommended exposure limit (REL): | Total                | NIOSH   |
|                   | 5mg/m3  | Recommended exposure limit (REL): | Respirable.          | NIOSH   |
|                   | 10mg/m3 | Recommended exposure limit (REL): | Total                | NIOSH   |
|                   | 10mg/m3 | Recommended exposure limit (REL): | Total                | NIOSH   |
|                   | 5mg/m3  | Recommended exposure limit (REL): | Respirable.          | NIOSH   |
| Calcium carbonate | 5mg/m3  | PEL:                              | Respirable fraction. | OSHA Z1 |
|                   | 15mg/m3 | PEL:                              | Total dust.          | OSHA Z1 |
|                   | 5mg/m3  | PEL:                              | Respirable fraction. | OSHA Z1 |
|                   | 15mg/m3 | PEL:                              | Total dust.          | OSHA Z1 |
| Titanium dioxide  | 10mg/m3 | Time Weighted Average (TWA):      | Dust.                | ACGIH   |
| Titanium dioxide  | 15mg/m3 | PEL:                              | Total dust.          | OSHA Z1 |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                     |                   |                  |                   |
|---------------------|-------------------|------------------|-------------------|
| Form                | : Liquid          | Evaporation rate | : Not established |
| Appearance          | : Viscous, Liquid | Specific Gravity | : Not determined  |
| Color               | : YELLOW          | Bulk density     | : Not applicable. |
| Odor                | : Very faint      | Vapor pressure   | : Not determined  |
| Melting point/range | : Not applicable  | Vapor density    | : Not determined  |
| Boiling Point:      | : Not applicable  | pH               | : Not applicable. |
| Water solubility    | : 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 | : 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 |

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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 .    |
| 1317-65-3  | Calcium carbonate                                     | Irritant         | Eyes, Skin .                    |
|            |   | Systemic effects | Eyes, Skin, Respiratory system. |
| 13463-67-7 | Titanium dioxide                                      | Systemic effects | 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 | 2,330mg/kg<br>>10gm/kg | rat<br>rabbit |

**12. ECOLOGICAL INFORMATION**

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,

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transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

**14. TRANSPORT INFORMATION**

U.S. DOT Classification : Refertospecificregulation.

ICAO/IATA : Refertospecificregulation.

IMO/IMDG : Refertospecificregulation.

**15. REGULATORY INFORMATION**

## US Regulations:

OSHA Status : Classifiedashazardousbasedoncomponents.

TSCA Status : Allcomponentsofthisproductarelistedonorexemptfromthe TSCAInventory.

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

| Chemical Name   | CAS-No. | % in Product | RQ for component | RQ for Mixture/Product |
|---|---------|--------------|------------------|------------------------|
| 1,2-Benzenedicarboxylic acid, butyl phenylmethylester | 85-68-7 | 3.0374       | 100 lbs          | 3,292 LB               |

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

Not applicable

## Canadian Regulations:

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WHMIS Classification : D2A

## WHMIS Ingredient Disclosure List

| CAS-No. |
|---------|
| 85-68-7 |

DSL : AllofthecomponentsofthisproductarelistedontheCanadian Inventoriesorareexempt.However,atleastonecomponentofthis productisontheCanadianNon-DomesticSubstancesList(NDSL). QuantityuseinCanadaisrestrictedbyregulations.

## National Inventories:

Australia AICS : Listed.  
China IECS : Notdetermined.  
Europe EINECS : Notdetermined.  
Japan ENCS : Notdetermined.  
Korea KECI : Notdetermined.  
Philippines PICCS : Notdetermined.

**16. OTHER INFORMATION**

TheinformationprovidedinthisSafetyDataSheetiscorrecttothebestofourknowledge,informationand beliefatthedateofitspublication.Theinformationgivenisdesignedonlyasaguidanceforsafehandling,use, processing,storage,transportation,disposalandreleaseandisnottobeconsideredawarrantyorquality specification.Theinformationrelatesonlytothespecificmaterialdesignatedandmaynotbevalidforsuch materialusedincombinationwithanyothermaterialsorinanyprocess,unlesspecifiedinthetext.