

**POLYONE CORPORATION**

**MATERIAL SAFETY DATA SHEET**

**17090GNSSLATEGREY3**

Version Number 1.0  
RevisionDate 03/04/2004

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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 (24 hrs for spill, leak, fire, exposure or accident).**

Product name : 17090GNSSLATEGREY3  
Product code : FO20007666  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight%
1,2-Benzenedicarboxylic acid, butyl phenylmethylester	85-68-7	1- 5
Silica, amorphous	7631-86-9	1- 5
Calcium carbonate	1317-65-3	10- 30
Titanium dioxide	13463-67-7	10- 30

**3. HAZARD 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.

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Print Date 6/7/2004**Chronic exposure** : Refer to Section 11 for Toxicological Information.**Medical Conditions  
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 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, water spray, dry powder, foam none .
- 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. 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 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.

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**7. HANDLING AND STORAGE**

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)

Components	Value	Exposure time	Exposure type	List:
Calcium carbonate	5mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15mg/m3	PEL:	Total dust.	OSHA Z1
Silica, amorphous	20mppcf	PEL:	Total dust.	OSHA
	20mppcf	PEL:	Total dust.	Z3
Titanium dioxide	10mg/m3	Time Weighted Average (TWA):		ACGIH
	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	: GREY	Bulk density	: Not applicable
Odor	: Very faint	Vapor pressure	: Not determined
Melting point/range	: Not applicable	Vapour density	: Not determined
Boiling Point:	: Not applicable	pH	: Not applicable

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Watersolubility : 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 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 phenylmethyl ester	Irritant	Eyes, Skin .
		Systemic effects	Liver, reproductive system .
7631-86-9	Silica, amorphous	Irritant	Eyes, Respiratory 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 phenylmethyl ester	Oral LD50 Dermal LD50	2,330mg/kg >10gm/kg	rat rabbit

**12. ECOLOGICAL INFORMATION**

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Persistenceanddegradability : Notreadilybiodegradable.  
EnvironmentalToxicity : Environmentaltoxicityhasnotbeenestablishedforthismixtureasa whole.  
BioaccumulationPotential : Nodataavailable  
Additionaladvice : Nodataavailable

**13.DISPOSAL CONSIDERATIONS**

Product : Wherepossible,recyclingispreferredtendisposalorincineration. The generatorofwastematerialhas theresponsibilityforproperwaste classification,transportationanddisposalinaccordancewith applicablefederal,state/provincialandlocalregulations.  
Contaminatedpackaging : Recyclingispreferredwhenpossible. Thegeneratorofwaste materialhas theresponsibilityforproperwaste classification, transportationanddisposalinaccordancewithapplicablefederal, state/provincialandlocalregulations.

**14.TRANSPORT INFORMATION**

U.S.DOTClassification : Refertospecificregulation.  
ICAO/IATA(air) : Refertospecificregulation.  
IMO/IMDG(maritime) : Refertospecificregulation.

**15.REGULATORY INFORMATION**

USRegulations:

OSHAStatus : Classifiedashazardousbasedoncomponents.  
TSCAStatus : Allcomponentsofthisproductarelistedonorexemptfromthe TSCAInventory.

US.EPACERCLAHazardousSubstances(40CFR302)

ChemicalName	CAS-No.	%inProduct	RQforcomponent	RQfor Mixture/Product
1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester	85-68-7	2.9624	100 lbs	3,376LB

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

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)

Chemical Name	CAS-No.	Weight%	NPRIID#
1,2-Benzenedicarboxylic acid, butyl phenylmethylester	85-68-7	2.96	37

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

CAS-No.
7631-86-9
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

Europe EINECS : Listed

Japan ENCS : Not determined

Korea KECI : Listed

Philippines PICCS : Listed

**16. OTHER INFORMATION**

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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.