

MATERIALSAFETYDATASHEET

18080GNSGRAY2Version Number 1.0
RevisionDate 03/20/2003Page 1 of 7
PrintDate 12/16/2003**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 : 18080GNSGRAY2

Productcode : FO00011888

ChemicalName : Mixture

CAS-No. : Mixture

ProductUse : IndustrialApplications

2.COMPOSITION/INFORMATIONONHAZARDOUSINGREDIENTS

Components	CAS-No.	Weight%
1,2-Benzenedicarboxylicacid,butyl phenylmethylester	85-68-7	1- 5
Carbonblack	1333-86-4	0.1- 1
Silica,amorphous	7631-86-9	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.

MATERIAL SAFETY DATA SHEET

18080GNSGRAY2

Version Number 1.0
RevisionDate 03/20/2003

Page 2 of 7
PrintDate 12/16/2003

Chronic exposure : RefertoSection11forToxicologicalInformation.

Medical Conditions Aggravated by Exposure: : Noneknown.

4. FIRST AID MEASURES

Inhalation : Movetofreshairincaseofaccidentalinhilationoffumesfrom overheatingorcombustion. Whensymptomspersistorinallcasesof doubtseekmedicaladvice.

Ingestion : Donotinducevomitingwithoutmedicaladvice. Whensymptoms persistorinallcasesofdoubtseekmedicaladvice.

Eyes : Rinseimmediatelywithplentyofwaterforatleast15minutes. Ifeye irritationpersists,seekmedicalattention.

Skin : Washoffwithsoapandplentyofwater. Ifskinirritationpersists seekmedicalattention.

5. FIRE-FIGHTING MEASURES

Flashpoint : Nodataavailable.

Flammable Limits

Upperexplosionlimit : Nodataavailable.

Lowerexplosionlimit : Nodataavailable.

Autoignition temperature : Notapplicable.

Suitable extinguishing media : Carbondioxideblanket,drypowder,foam,Waterspray .

Special Fire Fighting Procedures : Fullfaceself-containedbreathingapparatus(SCBA)usedinpositive pressuremodeshouldbewornpreventinhalationofairborne contaminants.

Unusual Fire/Explosion Hazards : MayemitHydrogenChloride(HCl)orCarbonMonoxide(CO)under fireconditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wearappropriatepersonalprotectionduringcleanup,suchas imperviousgloves,bootsandcoveralls.

Environmental precautions : Shouldnotbereleasedintotheenvironment. Theproductshouldnot beallowedtoenterdrains,watercoursesorthesoil.

Methods for cleanup : Soakupwithinertabsorbentmaterial(e.g.sand,silicagel,acid binder,universalbinder,sawdust). Packageallmaterialin appropriatecontainerfordisposal. RefertoSection13ofthisMSDS forproperdisposalmethods.

MATERIAL SAFETY DATA SHEET

18080GNSGRAY2

Version Number 1.0
 RevisionDate 03/20/2003

Page 3 of 7
 PrintDate 12/16/2003

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	10mg/m ³	Time Weighted Average (TWA):	Total dust.	ACGIH
Calcium carbonate	5mg/m ³	PEL:	Respirable fraction.	OSHA Z1
	15mg/m ³	PEL:	Total dust.	OSHA Z1
Carbon black	3.5mg/m ³	Time Weighted Average (TWA):	Total dust. as carbon black	ACGIH
Carbon black	3.5mg/m ³	PEL:	Total dust. as carbon black	OSHA Z1
Silica, amorphous	20mppcf	PEL:	Total dust.	OSHA
Silica, amorphous	20mppcf	PEL:	Total dust.	Z3
Titanium dioxide		Note:		ACGIH
	10mg/m ³	Time Weighted Average (TWA):	Dust.	ACGIH

MATERIAL SAFETY DATA SHEET

18080GNSGRAY2Version Number 1.0
Revision Date 03/20/2003Page 4 of 7
Print Date 12/16/2003

Titaniumdioxide	15mg/m3	PEL:	Totaldust.	OSHAZ1
-----------------	---------	------	------------	--------

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid	Evaporationrate	: Notestablished
Appearance	: Viscous,Liquid	SpecificGravity	: Notdetermined
Color	: GREY	Bulkdensity	: Notapplicable.
Odor	: Veryfaint	Vaporpressure	: Notdetermined
Meltingpoint/range	: Notapplicable	Vapordensity	: Notdetermined
BoilingPoint:	: Notapplicable	pH	: Notapplicable.
Watersolubility	: Immiscible		

10. STABILITY AND REACTIVITY

Stability	: Stable.
HazardousPolymerization	: Willnotoccur.
Conditionstoavoid	: Keepawayfromoxidizingagentsandopenflame. Toavoidthermal decomposition,donotoverheat.
IncompatibleMaterials	: Incompatiblewithstrongacidsandoxidizingagents. Avoidcontact withacetalhomopolymersandacetalcopolymersduringprocessing.
Hazardousdecomposition products	: Carbondioxide(CO ₂),carbonmonoxide(CO),oxidesofnitrogen (NO _x),hydrogenchloride(HCl),otherhazardousmaterials,and smokeareallpossible. Prolongedheatingmayresultinproduct degradation.Asageneralruleofthumb,degradationbeginstooccur afteronehourat177°C(350°F),after10minutesat204°C(400 °F),andwithin5minutesat232°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.	ChemicalName	Effect	TargetOrgan
85-68-7	1,2-Benzenedicarboxylic acid, butyl phenylmethylester	Irritant	Eyes, Skin .
		Systemic effects	Liver, reproductive system .
1333-86-4	Carbon black	Systemic effects	Eyes, Respiratory 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 .

MATERIAL SAFETY DATA SHEET

18080GNSGRAY2

Version Number 1.0
Revision Date 03/20/2003

Page 5 of 7
Print Date 12/16/2003

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 Dermal LD50	2,330mg/kg >10gm/kg	rat rabbit
1333-86-4	Carbonblack	Oral LD50 Dermal LD50	>15,400mg/kg >3gm/kg	rat rabbit

Carcinogenicity:

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

CAS-No.	Chemical Name	OSHA	IARC	NTP
1333-86-4	Carbonblack	no	2B	no

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.

Additional Health Hazard Information:

Carbonblack 1333-86-4 Carcinogenicity: Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. However, the IARC evaluation in Monograph Volume 65, issued in April 1996 concluded that, "There is sufficient evidence in experimental animals for the carcinogenicity of carbon black". Based on this evaluation, along with the reevaluation of inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that "Carbon Black is possibly carcinogenic to humans (Group 2B). Carbon Black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety and Health (NIOSH) criteria document on carbon black recommends that only carbon black with PAH (polynuclear aromatic hydrocarbon) levels greater than 0.1% be considered suspect carcinogens.

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.

MATERIAL SAFETY DATA SHEET

18080GNSGRAY2

Version Number 1.0
RevisionDate 03/20/2003

Page 6 of 7
PrintDate 12/16/2003

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 : Refers to specific regulation.
- ICAO/IATA : Refers to specific regulation.
- IMO/IMDG : Refers 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)

Chemical Name	CAS-No.	% in Product	RQ for component	RQ for Mixture/Product
1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester	85-68-7	2.7316	100 lbs	3,661 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

MATERIAL SAFETY DATA SHEET

18080GNSGRAY2Version Number 1.0
RevisionDate 03/20/2003Page 7 of 7
PrintDate 12/16/2003

Not applicable

SARA Title III Section 313 Toxic Chemicals:

Not applicable

Canadian Regulations:

WHMIS Classification : D2A

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 : Not determined.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Not determined.

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 used in combination with any other materials or in any process, unless specified in the text.