

**24001GNSGIBONE**Version Number 1.0  
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PrintDate 11/24/2003**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 : 24001GNSGIBONE

Productcode : FO00000953

ChemicalName : Mixture

CAS-No. : Mixture

ProductUse : IndustrialApplications

**2.COMPOSITION/INFORMATIONONHAZARDOUSINGREDIENTS**

Components	CAS-No.	Weight%
1,2-Benzenedicarboxylicacid,butyl phenylmethylester	85-68-7	1- 5
Silica,amorphous	7631-86-9	1- 5
Calciumcarbonate	1317-65-3	10- 30
Titaniumdioxide	13463-67-7	10- 30

**3.HAZARDSIDENTIFICATION****EMERGENCYOVERVIEW**

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.

**POTENTIALHEALTHEFFECTS****RoutesofExposure:** : Inhalation, Skincontact, Ingestion**Acuteexposure**

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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**Chronic exposure** : RefertoSection11forToxicologicalInformation.

**Medical Conditions** : Noneknown.

**Aggravated by Exposure:**

**4. FIRST AID MEASURES**

**Inhalation** : Movetofreshairincaseofaccidentalinhilationoffumesfrom overheatingorcombustion. Whensymptomspersist,orinallcases ofdoubt,seekmedicaladvice.

**Ingestion** : Donotinducevomitingwithoutmedicaladvice. Whensymptoms persist,orinallcasesofdoubt,seekmedicaladvice.

**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 pressuremodeshouldbeworntopreventinhalationofairborne 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,watcoursesorthesoil.

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

**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 is not 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/m3	Time Weighted Average (TWA):	Total dust.	ACGIH
Calcium carbonate	5mg/m3	PEL:	Respirable dust.	OSHA Z1
	15mg/m3	PEL:	Total dust.	OSHA Z1
Silica, amorphous	20mppcf	PEL:	Total dust.	OSHA
Silica, amorphous	20mppcf	PEL:	Total dust.	Z3
Titanium dioxide	10mg/m3	Time Weighted Average (TWA):	Total 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	: WHITE	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.

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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 phenylmethylester	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 .

LC<sub>50</sub>/LD<sub>50</sub>

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 LD <sub>50</sub> Dermal LD <sub>50</sub>	2,330 mg/kg >10 gm/kg	rat rabbit

**12. ECOLOGICAL INFORMATION**

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

**14. TRANSPORT INFORMATION**

U.S.D.O.T./CAT.D.G. Classification (Non-bulk ground) : 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
1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester	85-68-7	2.88	100 lbs	3,468 LB

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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.

## Canadian Regulations:

WHMIS Classification : D2A

## WHMIS Ingredient Disclosure List

CAS-No.
7440-38-2
1333-86-4
7439-92-1
7631-86-9
85-68-7
75-01-4

DSL : Listed.

## National Inventories:

Australia AICS : Listed.

China IECS : Not determined.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Listed.

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.