

**67900GNSLIGHTNAVY2**

Version Number 1.1

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RevisionDate 08/02/2002

PrintDate 12/10/2003

**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 : 67900GNSLIGHTNAVY2

Productcode : FO00001861

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
Calciumcarbonate	1317-65-3	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****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.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

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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, 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 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)

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
Carbon black	3.5mg/m3	Time Weighted Average (TWA):	Total dust. as carbon black	ACGIH
Carbon black	3.5mg/m3	PEL:	Total dust. as carbon black	OSHA Z1

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : Liquid

Appearance : Viscous, Liquid

Color : BLUE

Odor : Very faint

Melting point/range : Not applicable

Boiling Point: : Not applicable

Water solubility : Immiscible

Evaporation rate : Not established

Specific Gravity : Not determined

Bulk density : Not applicable.

Vapor pressure : Not determined

Vapor density : Not determined

pH : Not applicable.

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## 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 .
1333-86-4	Carbon black	Systemic effects	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
85-68-7	1,2-Benzenedicarboxylic acid, butyl phenylmethylester	Oral LD50 Dermal LD50	2,330mg/kg >10gm/kg	rat rabbit
1333-86-4	Carbon black	Oral LD50 Dermal LD50	>15,400mg/kg >3gm/kg	rat rabbit

Carcinogenicity:

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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 their 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.

### 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.

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**14. TRANSPORT INFORMATION**

U.S. DOT/CATDG Classification : 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	3.26	100 lbs	3,066 LB

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.
85-68-7

DSL : Listed.

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## 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.