

87650GNSPRIMROSE1Version Number 1.0
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PrintDate 12/15/2003**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 : 87650GNSPRIMROSE1

Productcode : FO20000843

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**

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 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	Exposuretime	Exposuretype	List:
Calciumcarbonate	10mg/m3	TimeWeightedAverage (TWA):		ACGIH
Calciumcarbonate	5mg/m3	PEL:	Respirablefraction.	OSHAZ1
	15mg/m3	PEL:	Totaldust.	OSHAZ1
Calciumcarbonate	5mg/m3	Recommendedexposure limit(REL):	Respirable.	NIOSH
	10mg/m3	Recommendedexposure limit(REL):	Total	NIOSH
	5mg/m3	Recommendedexposure limit(REL):	Respirable.	NIOSH
	10mg/m3	Recommendedexposure limit(REL):	Total	NIOSH
	10mg/m3	Recommendedexposure limit(REL):	Total	NIOSH
	5mg/m3	Recommendedexposure limit(REL):	Respirable.	NIOSH
Calciumcarbonate	5mg/m3	PEL:	Respirablefraction.	OSHAZ1
	15mg/m3	PEL:	Totaldust.	OSHAZ1
	5mg/m3	PEL:	Respirablefraction.	OSHAZ1
	15mg/m3	PEL:	Totaldust.	OSHAZ1
Titaniumdioxide	10mg/m3	TimeWeightedAverage (TWA):	Dust.	ACGIH
Titaniumdioxide	15mg/m3	PEL:	Totaldust.	OSHAZ1

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid	Evaporationrate	: Notestablished
Appearance	: Viscous,Liquid	SpecificGravity	: Notdetermined
Color	: YELLOW	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(CO2),carbonmonoxide(CO),oxidesofnitrogen (NOx),hydrogenchloride(HCl),otherhazardousmaterials,and smokeareallpossible. Prolongedheatingmayresultinproduct

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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 Dermal LD50	2,330mg/kg >10gm/kg	rat 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 : 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 phenylmethylester	85-68-7	2.8922	100 lbs	3,458 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 : All of the components of this product are listed on the Canadian Inventories or are exempt. However, at least one component of this product is on the Canadian Non-Domestic Substances List (NDSL). Quantity use in Canada is restricted by regulations.

National Inventories:

Australia AICS : Listed.

China IECS : Not determined.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Not determined.

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.