

74290GNSALPHAPINE

Version Number 1.0
RevisionDate 10/29/2002

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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 : 74290GNSALPHAPINE
Productcode : FO20002388
ChemicalName : Mixture
CAS-No. : Mixture
ProductUse : IndustrialApplications

2.COMPOSITION/INFORMATIONONHAZARDOUSINGREDIENTS

Components	CAS-No.	Weight%
1,2-Benzenedicarboxylicacid,butyl phenylmethylester	85-68-7	1- 5
Titaniumdioxide	13463-67-7	1- 5
Calciumcarbonate	1317-65-3	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.

Chronicexposure : RefertoSection11forToxicologicalInformation.

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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)

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 dust.	OSHA Z1
	15mg/m ³	PEL:	Total dust.	OSHA Z1
Titanium dioxide	10mg/m ³	Time Weighted Average (TWA):	Dust.	ACGIH
Titanium dioxide	15mg/m ³	PEL:	Total dust.	OSHA Z1

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid	Evaporation rate	: Not established
Appearance	: Viscous, Liquid	Specific Gravity	: Not determined
Color	: GREEN	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.
Water solubility	: Immiscible		

10. STABILITY AND REACTIVITY

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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 (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), 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 .
13463-67-7	Titanium dioxide	Systemic effects	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

12. ECOLOGICAL INFORMATION

Persistence and degradability : Not readily biodegradable.

Environmental Toxicity : Environmental toxicity has not been established for this mixture as a whole.

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BioaccumulationPotential : Nodataavailable.

Additionaladvice : Nodataavailable.

13.DISPOSAL CONSIDERATIONS

Product : Wherepossible,recyclingispreferredtodisposalorincineration. Thegeneratorofwastematerialhas theresponsibilityforproper wasteclassification,transportationanddisposalinaccordancewith applicablefederal,state/provincialandlocalregulations.

Contaminatedpackaging : Recyclingispreferredwhenpossible. Thegeneratorofwaste materialhas theresponsibilityforproperwasteclassification, transportationanddisposalinaccordancewithapplicablefederal, state/provincialandlocalregulations.

14.TRANSPORT INFORMATION

U.S.DOTClassification : Refertospecificregulation.

ICAO/IATA : Refertospecificregulation.

IMO/IMDG : Refertospecificregulation.

15.REGULATORY INFORMATION

US Regulations:

OSHA Status : Classifiedashazardousbasedoncomponents.

TSCA Status : AllcomponentsofthisproductarelisterdontheTSCAinventoryor areexempt.

US.EPACERCLA Hazardous Substances(40CFR302)

ChemicalName	CAS-No.	%inProduct	RQforcomponent	RQfor Mixture/Product
1,2-Benzenedicarboxylic acid, butyl phenylmethyl ester	85-68-7	3.2098	100 lbs	3,115LB

California Proposition 65 : WARNING!ThisproductcontainsachemicalknowntotheStateof Californiatocausecancer.,WARNING!Thisproductcontainsa chemicalknowntotheStateofCaliforniatocausebirthdefectorsor

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other reproductive harm.

Canadian Regulations:

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
85-68-7

DSL : Listed.

National Inventories:

Australia AICS : Listed.

China IECS : Not determined.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

Korea KECI : Listed.

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.