

24962GNSPUTTYAPPAREL

Version Number 1.0
RevisionDate 06/10/2002

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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 : 24962GNSPUTTYAPPAREL
Productcode : FO00000965
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
Titaniumdioxide	13463-67-7	5- 10
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.

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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,watrecoursesorthesoil.

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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Melting point/range : Not applicable Vapor density : Not determined
 Boiling Point: : Not applicable pH : Not applicable.
 Water solubility : 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 (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 phenylmethyl ester	Irritant	Eyes, Skin .
		Systemic effects	Liver, reproductive system .
1333-86-4	Carbon black	Systemic effects	Eyes, Respiratory 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 phenylmethyl ester	Oral LD50 Dermal LD50	2,330mg/kg >10gm/kg	rat rabbit

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1333-86-4	Carbonblack	Oral LD50 Dermal LD50	>15,400mg/kg >3gm/kg	rat rabbit
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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 carbonblack". 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 carbonblack recommends that only carbonblack 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,

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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 phenylmethylester	85-68-7	3.14	100 lbs	3,179 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.
7440-38-2
1333-86-4

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7439-92-1
7631-86-9
85-68-7
75-01-4

DSL : Listed.

NationalInventories:

AustraliaAICS : Listed.

ChinaIECS : Notdetermined.

EuropeEINECS : Notdetermined.

JapanENCS : Notdetermined.

KoreaKECI : Listed.

PhilippinesPICCS : Listed.

16.OTHERINFORMATION

TheinformationprovidedinthisSafetyDataSheetiscorrecttothebestofourknowledge,informationand beliefatthedateofitspublication.Theinformationgivenisdesignedonlyasaguidanceforsafehandling,use, processing,storage,transportation,disposalandreleaseandisnottobeconsideredawarrantyorquality specification.Theinformationrelatesonlytothespecificmaterialdesignatedandmaynotbevalidforsuch materialusedincombinationwithanyothermaterialsorinanyprocess,unlesspecifiedinthetext.