

MATERIAL SAFETY DATA SHEET

PG 31121 GN PP

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012

NON-EMERGENCY TELEPHONE	:	Product Stewardship (770) 271-5902
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	PG 31121 GN PP
Product code	:	CC10031121
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Titanium dioxide	13463-67-7	1 - 5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors 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.

POTENTIAL HEALTH EFFECTS

Routes of Exposure:	: Inhalation, Ingestion, Skin contact
Acute exposure	
Inhalation Ingestion Eyes	 Resin particles, like other inert materials, can be mechanically irritating. May be harmful if swallowed. Resin particles, like other inert materials, are mechanically irritating to eyes.
Skin	: Experience shows no unusual dermatitis hazard from routine handling.
Chronic exposure	: Refer to Section 11 for Toxicological Information.
Medical Conditions Aggravated by Exposure:	: None known.



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	aı	nd contamination. Keep in a	dry, cool place.	
8. E	XPOSURE	CONTROLS / PERSONA	L PROTECTION	
Respiratory protection	: N	o personal respiratory protec	ctive equipment normally	required.
Eye/Face Protection	: Sa	afety glasses with side-shield	ls.	
Hand protection	: P	rotective gloves.		
Skin and body protection	: L	ong sleeved clothing.		
Additional Protective Measures	: S:	afety shoes.		
General Hygiene Considerations		andle in accordance with goo /ash hands before breaks and		afety practice.
Engineering measures		eat only in areas with appropropriate exhaust ventilation		Provide
Exposure limit(s)				
Components	Value	Exposure time	Exposure type	List:
Components Titanium dioxide	Value 10 mg/m3	Exposure time Time Weighted Average (TWA):	Exposure type Dust.	List: ACGIH
-		Time Weighted Average		
Titanium dioxide	10 mg/m3 15 mg/m3	Time Weighted Average (TWA):	Dust. Total dust.	ACGIH
Titanium dioxide Titanium dioxide	10 mg/m3 15 mg/m3 9. PHYSIC	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR	Dust. Total dust.	ACGIH OSHA Z1
Titanium dioxide Titanium dioxide Form	10 mg/m3 15 mg/m3 9. PHYSIC : Solid	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR	Dust. Total dust. COPERTIES voration rate : Not	ACGIH OSHA Z1 applicable.
Titanium dioxide Titanium dioxide Form Appearance	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR bl Evap ts Spec	Dust. Total dust. COPERTIES voration rate : Not ific Gravity : Not	ACGIH OSHA Z1 applicable. determined
Titanium dioxide Titanium dioxide	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR between the second	Dust. Total dust. COPERTIES voration rate : Not ific Gravity : Not density : Not	ACGIH OSHA Z1 applicable. determined established
Titanium dioxide Titanium dioxide Form Appearance Color	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE : Very	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR ts Spec EN Bulk faint Vapo	Dust. Total dust. COPERTIES voration rate : Not ific Gravity : Not density : Not or pressure : Not	ACGIH OSHA Z1 applicable. determined established applicable
Titanium dioxide Titanium dioxide Form Appearance Color Odor	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE : Very : Not c	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR ts Spec EN Bulk faint Vapo	Dust. Total dust. COPERTIES oration rate : Not ific Gravity : Not density : Not or pressure : Not or density : Not or density : Not	ACGIH OSHA Z1 applicable. determined established
Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE : Very : Not c	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR ts Spec EN Bulk faint Vapo letermined Vapo applicable pH	Dust. Total dust. COPERTIES oration rate : Not ific Gravity : Not density : Not or pressure : Not or density : Not or density : Not	ACGIH OSHA Z1 applicable. determined established applicable applicable
Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point:	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE : Very : Not c : Not a : Insol	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR ts Spec EN Bulk faint Vapo letermined Vapo applicable pH	Dust. Total dust. COPERTIES voration rate : Not ific Gravity : Not density : Not or pressure : Not or density : Not	ACGIH OSHA Z1 applicable. determined established applicable applicable
Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point:	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE : Very : Not c : Not a : Insol 10. S	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR ts Spec EN Bulk faint Vapo determined Vapo applicable pH uble	Dust. Total dust. COPERTIES voration rate : Not ific Gravity : Not density : Not or pressure : Not or density : Not	ACGIH OSHA Z1 applicable. determined established applicable applicable
Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: Water solubility	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE : Very : Not c : Not a : Insol 10. S : St	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR I Evap ts Spec EN Bulk faint Vapo determined Vapo applicable pH uble	Dust. Total dust. COPERTIES voration rate : Not ific Gravity : Not density : Not or pressure : Not or density : Not	ACGIH OSHA Z1 applicable. determined established applicable applicable
Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: Water solubility Stability	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : Pelle : GRE : Very : Not a : Insol 10. S 10. S : State : Water : State : Water : State : Water : State : State : Water : State : State : Water : State :	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR ts Spec EN Bulk faint Vapo letermined Vapo applicable pH uble TABILITY AND REACT table.	Dust. Total dust. COPERTIES coration rate : Not ific Gravity : Not density : Not or density : Not if density : Not or density : Not UVITY EVITY	ACGIH OSHA Z1 applicable. determined established applicable applicable applicable



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Hazardous decomposition products

: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.

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. 13463-67-7	Chemical Name Titanium dioxide	Effect	Target Organ			
13403-07-7	I itanium dioxide	Systemic effects	Respiratory system.			
	12. ECOLOGIO	CAL INFORMATION	J			
Persistence and degrada	bility : Not readily b	iodegradable.				
Environmental Toxicity		: Chemicals are not readily available as they are bound within the matrix of the polymer.				
Bioaccumulation Potent		: Chemicals are not readily available as they are bound within the matrix of the polymer.				
Additional advice	: No data avail	able.				
	13. DISPOSAL	CONSIDERATIONS	9			
Product Contaminated packagin	g : Recycling is possible and disposal	 Like most thermoplastics the product can be recycled. 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. 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. TRANSPO	RT INFORMATION				
U.S. DOT Classification	n : Refer to spec	ific regulation.				
ICAO/IATA	: Refer to spec	: Refer to specific regulation.				
IMO / IMDG	: Refer to spec	ific regulation.				
	15. REGULATO	ORY INFORMATION	N			

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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.