MATERIAL SAFETY DATA SHEET **GREEN**

Version Number 1.0 Revision Date 07/12/2005

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012

Telephone Emergency telephone number	:	Product Stewardship (770) 271-5902 CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	GREEN
Product code	:	CC10072275
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

Components	CAS-No.	Weight %
Titanium dioxide	13463-67-7	10 - 30

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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	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 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, also under the eyelids, for a least 15 minutes. If eye irritation persists, seek medical attention.
Skin	: Wash off with soap and plenty of water. If skin irritation persists se medical attention.
	5. FIRE-FIGHTING MEASURES
Flash point	: Not applicable
Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media Special Fire Fighting Procedures Unusual Fire/Explosion	 Not applicable Not applicable Not applicable Not applicable Carbon dioxide blanket, water spray, dry powder, foamnone. Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen
Hazards	(NOx), other hazardous materials, and smoke are all possible.
	5. 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 cleaning up	: Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section of this MSDS for proper disposal methods.
	7. HANDLING AND STORAGE
Handling	: Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.
Storage	: Keep containers dry and tightly closed to avoid moisture absorption



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8. E	XPOSURE	CONTROLS / PERSO	NAL I	PROTECTION		
Respiratory protection	: N	o personal respiratory p	rotectiv	ve equipment norm	nally r	equired.
Eye/Face Protection	: S	afety glasses with side-s	hields.			
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 Vash hands before breaks				afety practice
Engineering measures		leat only in areas with ap			tion.	Provide
Exposure limit(s)						
Components	Value	Exposure time		Exposure type	e	List:
Titanium dioxide	10 mg/m3	Time Weighted Avera (TWA):	age		<u> </u>	ACGIH
	15 mg/m3	PEL:		Total dust.		OSHA Z1
	9. PHYSIC	CAL AND CHEMICAI	L PRO	PERTIES		
Form	: Solid	L I	Evapor	ation rate :	Not	applicable
Appearance	: Pelle			c Gravity: :		determined
Color	: GRE		Bulk de		Not	established
Odor				pressure :		applicable
Melting point/range				density :		applicable
Boiling Point:			рH	:	Not	applicable
Water solubility	: Insol	uble				
	10. 5	STABILITY AND REA	CTIV	ITY		
Stability	: S	table.				
Hazardous Polymerization	n : W	/ill not occur.				
Conditions to avoid		eep away from oxidizing		s and open flame.	To a	void thermal



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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.	Chemical Name	Effect	Target Organ			
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.			
	12. ECOLOGIO	CAL INFORMATION	1			
Persistence and degrada	bility : Not readily bi	odegradable.				
Environmental Toxicity	Chemicals are polymer matr		as they are bound within the			
Bioaccumulation Poten		: Chemicals are not readily available as they are bound within the polymer matrix.				
Additional advice	: No data avail	able				
	13. DISPOSAL	CONSIDERATIONS	6			
Product Contaminated packagin	g : Recycling is phase the response of the recycling is phase the response of	cling is preferred to dis waste material has the r transportation and dis leral, state/provincial a preferred when possible nsibility for proper was n accordance with app	product can be recycled. Where posal or incineration. The esponsibility for proper waste posal in accordance with nd local regulations. e. The generator of waste materia te classification, transportation licable federal, state/provincial			
	14. TRANSPO	RT INFORMATION				
U.S. DOT Classification	n : Not regulated	for transportation.				
ICAO/IATA (air)	: Refer to speci	ific regulation.				
IMO / IMDG (maritime	e) : Refer to speci	fic regulation.				
	15. REGULATO	DRY INFORMATION	Ň			

PolyOne.

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151011 Date 01/12/2003						11/10/2
US Regulations:						
-						
OSHA Status	:	Classified as ha	zardous based or	components.		
TSCA Status	:	All components Inventory.	s of this product a	re listed on or exer	mpt from t	the TSCA
US. EPA CERCLA Hazardous	Sub	stances (40 CFR	302)			
Not applicable						
California Proposition	:	Not applicable				
65		11				
SARA Title III Section 302 Ext	trem	ely Hazardous Su	ubstance			
Not applicable						
SARA Title III Section 313 To	xic C	Chemicals:				
	oxic C	Chemicals:				
SARA Title III Section 313 To: Not applicable Canadian Regulations:	oxic C	Chemicals:				
Not applicable Canadian Regulations: National Pollutant Relea						
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name			CAS-No.	Weight %	NPRI	ID#
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name Aluminum oxide			CAS-No. 1344-28-1 1328-53-6	Weight % 0.10 - 1.00 0.10 - 1.00	NPRI 13 71	ID#
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name			1344-28-1	0.10 - 1.00	13	ID#
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name Aluminum oxide			1344-28-1	0.10 - 1.00	13	ID#
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name Aluminum oxide		nventory (NPRI)	1344-28-1	0.10 - 1.00	13	ID#
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name Aluminum oxide Phthalocyanine green		nventory (NPRI)	1344-28-1 1328-53-6	0.10 - 1.00 0.10 - 1.00 are on the Canadia	13 71	
Not applicable Canadian Regulations: <u>National Pollutant Relea</u> Chemical Name <u>Aluminum oxide</u> Phthalocyanine green WHMIS Classification		nventory (NPRI)	1344-28-1 1328-53-6	0.10 - 1.00 0.10 - 1.00 are on the Canadia	13 71	
Not applicable Canadian Regulations: <u>National Pollutant Relea</u> Chemical Name <u>Aluminum oxide</u> Phthalocyanine green WHMIS Classification		nventory (NPRI)	1344-28-1 1328-53-6	0.10 - 1.00 0.10 - 1.00 are on the Canadia	13 71	
Not applicable Canadian Regulations: <u>National Pollutant Relea</u> Chemical Name Aluminum oxide Phthalocyanine green WHMIS Classification DSL		nventory (NPRI)	1344-28-1 1328-53-6	0.10 - 1.00 0.10 - 1.00 are on the Canadia	13 71	
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name Aluminum oxide Phthalocyanine green WHMIS Classification DSL National Inventories: Australia AICS	in the second se	nventory (NPRI) Not controlled. All component Substances List Listed	1344-28-1 1328-53-6	0.10 - 1.00 0.10 - 1.00 are on the Canadia	13 71	
Not applicable Canadian Regulations: National Pollutant Relea Chemical Name Aluminum oxide Phthalocyanine green WHMIS Classification DSL National Inventories: Australia AICS China IECS	ase Ii 	nventory (NPRI) Not controlled. All component Substances List Listed Listed	1344-28-1 1328-53-6	0.10 - 1.00 0.10 - 1.00 are on the Canadia	13 71	
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Not applicable Canadian Regulations: National Pollutant Relea Chemical Name Aluminum oxide Phthalocyanine green WHMIS Classification DSL National Inventories: Australia AICS China IECS	ase Ii 	nventory (NPRI) Not controlled. All component Substances List Listed Listed	1344-28-1 1328-53-6	0.10 - 1.00 0.10 - 1.00 are on the Canadia	13 71	
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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 when used in combination with any other materials and/or in any particular process or processing conditions.