PolvOne

MATERIAL SAFETY DATA SHEET MEDIUM GREEN

Version Number 1.1 Revision Date 03/26/2014

Page 1 of 7 Print Date 4/2/2014

1. PRODUCT AND COMPANY IDENTIFICATION					
POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012					
Telephone Emergency telephone number	:	1 (440) 930-1000 or 1 (866) POLYONE CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).			
Product name	:	MEDIUM GREEN			
Product code	:	CC10134931			
Chemical Name	:	Mixture			
CAS-No.	:	Mixture			
Product Use	:	Industrial Applications			

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight percent
Calcium carbonate	1317-65-3	5 - 10
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

: Inhalation, Ingestion, Skin contact
: 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.
: Experience shows no unusual dermatitis hazard from routine handling.
: Refer to Section 11 for Toxicological Information.

PolyOne.

MATERIAL SAFETY DATA SHEET **MEDIUM GREEN**

Version Number 1.1 Revision Date 03/26/2014 Page 2 of 7 Print Date 4/2/2014

Medical Conditions Aggravated by Exposure:	: None known.
	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 of 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 seek medical attention.
	5. FIREFIGHTING MEASURES
Flash point	: not applicable
Flammable Limits Upper explosion limit Lower explosion limit Auto-ignition temperature Suitable extinguishing media Special Fire Fighting Procedures	 not applicable not applicable not applicable Carbon dioxide blanket, Water spray, Dry powder, Foam. Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne
Unusual Fire/Explosion Hazards	 contaminants. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.
	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 no 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.
	7. HANDLING AND STORAGE
Handling	: Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.

POLYONE CORPORATION



MATERIAL SAFETY DATA SHEET MEDIUM GREEN

Version Number 1.1				
Revision Date 03/26/201	4			

Page 3 of 7 Print Date 4/2/2014

Storage

: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection	:	No personal respiratory protective equipment normally 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	5 mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15 mg/m3	PEL:	Total dust.	OSHA Z1
	10 mg/m3	Time Weighted Average (TWA):		MX OEL
	20 mg/m3	Short Term Exposure Limit (STEL):		MX OEL
Titanium dioxide	10 mg/m3	Time Weighted Average (TWA):		ACGIH
	15 mg/m3	PEL:	Total dust.	OSHA Z1
	10 mg/m3	Time Weighted Average (TWA):	Total dust.	OSHA Z1A
	10 mg/m3	Time Weighted Average (TWA):	as Ti	MX OEL
	20 mg/m3	Short Term Exposure Limit (STEL):	as Ti	MX OEL

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form Appearance Colour Odour Melting point/range
- : solid
 : pellets
 : GREEN
 : very faint
 : Not determined
- Evapouration rate Specific Gravity Bulk density Vapour pressure Vapour density
- Not applicableNot determinedNot establishednot applicablenot applicable



MATERIAL SAFETY DATA SHEET MEDIUM GREEN

Version Number 1.1 Revision Date 03/26/2014 Page 4 of 7 Print Date 4/2/2014

Boiling Point: Water solubility	: not applicable : insoluble	рН	: not applicable
	10. STABILITY AND R	EACTIVITY	
Stability	: The product is stable i	f stored and han	dled as prescribed.
Hazardous Polymerization	: Will not occur.		
Conditions to avoid	: Keep away from oxidi decomposition, do not	00	open flame. To avoid thermal
Incompatible Materials	: Incompatible with stro	ong acids and ox	idizing agents.
Hazardous decomposition products			de (CO), oxides of nitrogen 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
1317-65-3	Calcium carbonate	Irritant	Eyes, Skin.
		Systemic effects	Eyes, Skin, Respiratory
			system.
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.

Carcinogenicity

This product contains the following components which, in their pure form, have the following carcinogenicity data:

CAS-No.	Chemical Name	OSHA	IARC	NTP
13463-67-7	Titanium dioxide	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.

12. ECOLOGICAL INFORMATION

Persistence and degradability

: Not readily biodegradable.

PolyOne.

MATERIAL SAFETY DATA SHEET **MEDIUM GREEN**

polymer matrix. Bioaccumulation Potential : Chemicals are not readily available as they are bound within polymer matrix. Additional advice : no data available I3. DISPOSAL CONSIDERATIONS Product : Like most thermoplastic plastics the product can be recycled possible recycling is preferred to disposal or incineration. To generator of waste material has the responsibility for proper 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 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 transportation and disposal in accordance with applicable federal, state/provincial and local regulations. U.S. DOT Classification : Not regulated for transportation. ILAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. US Regulations: OSHA Status : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt fron TSCA Inventory.	mber 1.1 ate 03/26/2014	Page 5 Print Date 4/2/2
Bioaccumulation Potential : Chemicals are not readily available as they are bound within polymer matrix. Additional advice : no data available 13. DISPOSAL CONSIDERATIONS Product : Like most thermoplastic plastics the product can be recycled possible recycling is preferred to disposal or incineration. T generator of waste material has the responsibility for proper classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. Contaminated packaging : Recycling is preferred when possible. The generator of wast 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 wast material has the responsibility for proper waste classification transportation and disposal in accordance with applicable federal, state/provincial and local regulations. US. DOT Classification : Not regulated for transportation. ICAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. US Regulations: OSHA Status : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt fron TSCA Inventory.		
polymer matrix. Additional advice : no data available 13. DISPOSAL CONSIDERATIONS Product : Like most thermoplastic plastics the product can be recycled possible recycling is preferred to disposal or incineration. T generator of waste material has the responsibility for proper 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 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 transportation and disposal in accordance with applicable federal, state/provincial and local regulations. U.S. DOT Classification : Not regulated for transportation. ICAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. US Regulations: OSHA Status : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt fron TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable . Not applicable California Proposition	imental Toxicity :	Chemicals are not readily available as they are bound within the polymer matrix.
I3. DISPOSAL CONSIDERATIONS Product : Like most thermoplastic plastics the product can be recycled possible recycling is preferred to disposal or incineration. T generator of waste material has the responsibility for proper classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. Contaminated packaging : Recycling is preferred when possible. The generator of wast material has the responsibility for proper waste classification transportation and disposal in accordance with applicable federal, state/provincial and local regulations. US. DOT Classification ICAO/IATA : Not regulated for transportation. ICAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. US Regulations: : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt from TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable : Not applicable	imulation Potential :	Chemicals are not readily available as they are bound within the polymer matrix.
Product : Like most thermoplastic plastics the product can be recycled possible recycling is preferred to disposal or incineration. T generator of waste material has the responsibility for proper classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. Contaminated packaging : Recycling is preferred when possible. The generator of wast 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 wast 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 wast material has the responsibility for proper waste classification transportation and disposal in accordance with applicable federal, state/provincial and local regulations. U.S. DOT Classification : Not regulated for transportation. IIAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. US Regulations: OSHA Status : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt fron TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable . Not applicable California Proposition<	nal advice :	no data available
possible recycling is preferred to disposal or incineration. T generator of waste material has the responsibility for proper classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. Contaminated packaging : Recycling is preferred when possible. The generator of was material has the responsibility for proper waste classification transportation and disposal in accordance with applicable federal, state/provincial and local regulations. Location : Recycling is preferred when possible. The generator of was material has the responsibility for proper waste classification 	13	3. DISPOSAL CONSIDERATIONS
material has the responsibility for proper waste classification transportation and disposal in accordance with applicable fe state/provincial and local regulations. U.S. DOT Classification : Not regulated for transportation. ICAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. US Regulations: OSHA Status : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt from TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	:	Like most thermoplastic plastics 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.
U.S. DOT Classification : Not regulated for transportation. ICAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. IS. 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 TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	inated packaging :	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.
ICAO/IATA : Refer to specific regulation. IMO/IMDG (maritime) : Refer to specific regulation. IS. 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 TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	1	4. TRANSPORT INFORMATION
IMO/IMDG (maritime) : Refer to specific regulation. IS. 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 TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	OT Classification :	Not regulated for transportation.
IS. 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 TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	ATA :	Refer to specific regulation.
US Regulations: OSHA Status : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt fron TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	ADG (maritime) :	Refer to specific regulation.
OSHA Status : Classified as hazardous based on components. TSCA Status : All components of this product are listed on or exempt from TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	15	. REGULATORY INFORMATION
TSCA Status : All components of this product are listed on or exempt from TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	ulations:	
TSCA Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) not applicable California Proposition : Not applicable	OSHA Status :	Classified as hazardous based on components.
not applicable California Proposition : Not applicable	TSCA Status :	All components of this product are listed on or exempt from the TSCA Inventory.
California Proposition : Not applicable	A CERCLA Hazardous Subs	stances (40 CFR 302)
	not applicable	
	-	Not applicable

MATERIAL SAFETY DATA SHEET MEDIUM GREEN

Version Number 1.1 Revision Date 03/26/2014 Page 6 of 7 Print Date 4/2/2014

SARA Title III Section 302 Extremely Hazardous Substance

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

SARA Title III Section 313 Toxic Chemicals:

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

Canadian Regulations:

National Pollutant Release Inventory (NPRI)			
Chemical Name	CAS-No.	Weight	NPRI ID#
		percent	
Aluminum oxide	1344-28-1	0.10 - 1.00	
Phthalocyanine green	1328-53-6	1.00 - 5.00	

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

:

CAS-No.	
1328-53-6	

DSL

All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

Australia AICS	:	Listed
China IECS	:	Listed
Europe EINECS	:	Listed
Japan ENCS	:	Listed
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

PolyOne

MATERIAL SAFETY DATA SHEET MEDIUM GREEN

Version Number 1.1 Revision Date 03/26/2014 Page 7 of 7 Print Date 4/2/2014

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.