# MATERIAL SAFETY DATA SHEET FRUCTIS GREEN FLIP INNER

Version Number 1.0 Revision Date 11/20/2003

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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	:	FRUCTIS GREEN FLIP INNER
Product code	:	CC10046107
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
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

<b>Routes of Exposure:</b>	: Inhalation, Ingestion, Skin contact
Acute exposure	
Inhalation Ingestion	<ul><li>Resin particles, like other inert materials, can be mechanically irritating.</li><li>May be harmful if swallowed.</li></ul>
Eyes	: 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.

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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 at least 15 minutes. If eye irritation persists, seek medical attention.
Skin	: Wash off with soap and plenty of water. If skin irritation persists seel medical attention.
	5. FIRE-FIGHTING MEASURES
Flash point	: Not applicable
Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media	<ul> <li>Not applicable</li> <li>Not applicable</li> <li>Not applicable</li> <li>Carbon dioxide blanket, water spray, dry powder, foamnone.</li> </ul>
Special Fire Fighting Procedures Unusual Fire/Explosion	<ul> <li>Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.</li> <li>Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen</li> </ul>
Hazards	(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 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 12 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.

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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. Refer to equipment supplier to ensure protection. Skin and body protection : Long sleeved clothing. Additional Protective Safety shoes. : Measures Handle in accordance with good industrial hygiene and safety practice. General Hygiene : Considerations 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
Titanium dioxide	10 mg/m3	Time Weighted Average (TWA):		ACGIH
	15 mg/m3	PEL:	Total dust.	OSHA Z1

Form	: Solid	Evaporation rate	: Not applicable
Appearance	: Pellets	Specific Gravity	: Not determined
Color	: GREEN	Bulk density	: Not established
Odor	: Very faint	Vapor pressure	: Not applicable
Melting point/range	: Not determined	Vapour density	: Not applicable
Boiling Point:	: Not applicable	pН	: Not applicable
Water solubility	: Insoluble		
	10. STABILITY AN	ND REACTIVITY	
Stability	: Stable.		
Hazardous Polymerization	: Will not occur.		
Conditions to avoid	: Keen away from	oxidizing agents and open fl	lame. To avoid thermal

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T (11 ) (	-	osition, do not overheat.	
Incompatible Mater	als : Incompa	atible with strong acids and	oxidizing agents.
Hazardous decompo products		dioxide (CO2), carbon mor other hazardous materials, a	noxide (CO), oxides of nitrogen and smoke are all possible.
	11. TOXICO	LOGICAL INFORMAT	ION
	t been evaluated as a who ndividual components wh		sure effects listed are based on exi
<u>Toxicity Overview</u> This product contain	ns the following compone	nts which in their pure for	n have the following characteristic
CAS-No.	Chemical Name	e 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.
	10 5001		N.T.
	12. ECOLO	OGICAL INFORMATIO	N
Environmental Toxi			as they are bound within the matrix
Environmental Toxi Bioaccumulation Po Additional advice	of the po otential : Chemica of the po : No data	olymer. als are not readily available olymer. available	as they are bound within the matrix
Bioaccumulation Pc	of the po otential : Chemica of the po : No data	olymer. als are not readily available olymer.	as they are bound within the matrix
Bioaccumulation Pc	of the po- otential : Chemica of the po- : No data <b>13. DISPO</b> : Like mo possible generato classific: applicab aging : Recyclir has the r and disp	olymer. als are not readily available olymer. available <b>SAL CONSIDERATION</b> est thermoplastic plastics th recycling is preferred to di or of waste material has the ation, transportation and di ole federal, state/provincial ng is preferred when possib responsibility for proper wa	as they are bound within the matrix <b>S</b> e product can be recycled. Where sposal or incineration. The responsibility for proper waste sposal in accordance with
Bioaccumulation Po Additional advice Product	of the po- otential : Chemica of the po- : No data <b>13. DISPO</b> : Like mo possible generato classifica applicab aging : Recyclir has the r and disp and loca	olymer. als are not readily available olymer. available <b>SAL CONSIDERATION</b> est thermoplastic plastics th recycling is preferred to di or of waste material has the ation, transportation and di ble federal, state/provincial ng is preferred when possib responsibility for proper wa osal in accordance with ap	as they are bound within the matrix <b>S</b> e product can be recycled. Where sposal or incineration. The responsibility for proper waste sposal in accordance with and local regulations. le. The generator of waste materia iste classification, transportation plicable federal, state/provincial

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ICAO/IATA (air)	:	Refer to specific regulation.		
IMO / IMDG (maritime)	:	Refer to specific regulation.		
	15	. REGULATORY INFORMATION		
US Regulations:				
OSHA Status	:	Classified as hazardous based on components.		
TSCA Status	:	All components of this product are listed on or exer Inventory.	mpt from t	he TSCA
US. EPA CERCLA Hazardous S	Subs	stances (40 CFR 302)		

Not applicable

California Proposition	:
65	

WARNING! This product contains a chemical known to the State of : California to cause cancer.

#### SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

SARA Title III Section 313 Toxic Chemicals:

Not applicable Canadian Regulations:

National Pollutant Release Inventory (NPRI)

Not applicable

WHMIS Classification : D2B 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

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Korea KECI : Listed	
Philippines PICCS : Listed	
16. OTHER INFORMATION	
processing, storage, transportation, disposal and release and is not to be considered specification. The information relates only to the specific material designated and m material when used in combination with any other materials and/or in any particular conditions.	ay not be valid for such