MATERIAL SAFETY DATA SHEET **CHAMAIGN 8004C**

Version Number 1.0 Revision Date 01/05/2005

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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	:	CHAMAIGN 8004C
Product code	:	CC10063798
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

Components	CAS-No.	Weight %
Aluminum	7429-90-5	1 - 5
Iron oxide	1309-37-1	1 - 5
Calcium carbonate	1317-65-3	5 - 10
Mica	12001-26-2	5 - 10
Titanium dioxide	13463-67-7	5 - 10

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 Skin	 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 bezard from routing bandling.
Chronic exposure	 Experience shows no unusual dermatitis hazard from routine handling. 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	 Not applicable Not applicable Not applicable Carbon dioxide blanket, water spray, dry powder, foamnone.
Special Fire Fighting Procedures Unusual Fire/Explosion	 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.
	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 13 of this MSDS for proper disposal methods.
	7. HANDLING AND STORAGE
Handling	: Take measures to prevent the build up of electrostatic charge. Heat



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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 requ	ired.
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 safet. Wash hands before breaks and at the end of workday.	y practice.
Engineering measures	: Heat only in areas with appropriate exhaust ventilation. Pro appropriate exhaust ventilation at machinery.	vide

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Aluminum	10 mg/m3	Time Weighted Average	Dust.	ACGIH
		(TWA):		
	15 mg/m3	PEL:	Total dust. as Al	OSHA Z1
	5 mg/m3	PEL:	Respirable dust. as Al	OSHA Z1
Calcium carbonate	5 mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15 mg/m3	PEL:	Total dust.	OSHA Z1
Iron oxide	5 mg/m3	Time Weighted Average	Dust and fume. as Fe	ACGIH
		(TWA):		
Mica	20 mppcf	PEL:	Total dust.	OSHA
	3 mg/m3	Time Weighted Average	Respirable fraction.	ACGIH
		(TWA):		
Titanium dioxide	10 mg/m3	Time Weighted Average		ACGIH
		(TWA):		
	15 mg/m3	PEL:	Total dust.	OSHA Z1

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form Appearance Color Odor Melting point/range
- : Solid
 : Pellets
 : BROWN
 : Very faint
 : Not determined
- Evaporation rate Specific Gravity: Bulk density Vapor pressure Vapour density
- Not applicableNot determinedNot establishedNot applicableNot applicable



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Boiling Point: Water solubility	: Not applicable pH : Not applicable : Insoluble
	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.
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
7429-90-5	Aluminum	Irritant	Skin, Respiratory system.
		Systemic effects	Eyes, Skin, Respiratory system.
1309-37-1	Iron oxide	Systemic effects	Respiratory system.
1317-65-3	Calcium carbonate	Irritant	Eyes, Skin.
		Systemic effects	Eyes, Skin, Respiratory system.
12001-26-2	Mica	Systemic effects	Respiratory system.
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.

12. ECOLOGICAL INFORMATION

Persistence and degradability	: Not readily biodegradable.
Environmental Toxicity	: Chemicals are not readily available as they are bound within the polymer matrix.
Bioaccumulation Potential	: Chemicals are not readily available as they are bound within the polymer matrix.
Additional advice	: No data available
	13. DISPOSAL CONSIDERATIONS
Product	: Like most thermoplastic plastics the product can be recycled. Where possible recycling is preferred to disposal or incineration. The



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has the responsibility for proper waste classi and disposal in accordance with applicable f and local regulations. U.S. DOT Classification : Not regulated for transportation. ICAO/IATA (air) : Refer to specific regulation. IMO / IMDG (maritime) : Refer to specific regulation. IMO / IMDG (maritime) : Refer to specific regulation. US Regulations: . OSHA Status : Classified as hazardous based on component TSCA Status : All components of this product are listed on Inventory. US. EPA CERCLA Hazardous Substances (40 CFR 302) . Not applicable . California Proposition : WARNING! This product contains a chemit 65 SARA Title III Section 302 Extremely Hazardous Substance Not applicable SARA Title III Section 313 Toxic Chemicals: Chemical Name CAS-No. ALUMINUM (FUME OR DUST) 7429-90-5 Canadian Regulations: .	Page 5			
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National Pollutant Release Inventory (NPRI)				
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Chemical Name	CAS-No.	Weight %	NPRI ID#
Aluminum	7429-90-5	3.08	12

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

CAS-No.	
7429-90-5	
1309-37-1	
12001-26-2	

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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	: Not determined	
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 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.