

MATERIAL SAFETY DATA SHEET

CANDLESTICK

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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	:	CANDLESTICK
Product code	:	CC10025457
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	60 - 100

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 o 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 see 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 relevant Carbon dioxide blanket, Water spray, dry powder, foam. 		
Special Fire Fighting Procedures Unusual Fire/Explosion Hazards	 Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. None 		
	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. Refer to Section 1 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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	aı	nd contamination. Keep in a	dry, cool place.			
8. H	EXPOSURE	CONTROLS / PERSONAL	L PROTECTION			
Respiratory protection	: N	o personal respiratory protec	tive equipment normally	required.		
Eye/Face Protection	: S	afety glasses with side-shield	ls.			
Hand protection	: P	rotective gloves.				
Skin and body protection	: L	ong sleeved clothing.				
Additional Protective Measures	: S	: 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:		
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. OPERTIES	ACGIH OSHA Z1		
Titanium dioxide Titanium dioxide	10 mg/m3 15 mg/m3 9. PHYSIC : Solic	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR	Dust. Total dust. OPERTIES oration rate : Notesting 100 million in the second	ACGIH OSHA Z1 t applicable.		
Titanium dioxide Titanium dioxide Form Appearance	10 mg/m3 15 mg/m3 9. PHYSIC : Solic : Pelle	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR I Evap tts Spec	Dust. Total dust. OPERTIES oration rate : Not ific Gravity : Not	ACGIH OSHA Z1 t applicable. t determined		
Titanium dioxide Titanium dioxide Form Appearance Color	10 mg/m3 15 mg/m3 9. PHYSIC : Solic : Pelle : WHI	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR the Evap ets Spec TE Bulk	Dust. Total dust. OPERTIES oration rate : Not ific Gravity density : Not	ACGIH OSHA Z1 t applicable. t determined t established		
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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:

a of the polymer. Bioaccumulation Potential : Chemicals are not readily available as they are bound within the of the polymer. Additional advice : No data available. III. DISPOSAL CONSIDERATIONS : Like most thermoplastics the product can be recycled. Where possible, recycling is preferred to disposal or incineration. Th generator of waste material has the responsibility for proper w 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 is has the responsibility for proper waste classification, transport and disposal in accordance with applicable federal, state/provi and local regulations. U.S. DOT Classification : Refer to specific regulation. CAO/IATA : Refer to specific regulation.	3463-67-7	Titanium dioxide	Systemic effects	Respiratory system.			
Persistence and degradability : Not readily biodegradable. Environmental Toxicity : Chemicals are not readily available as they are bound within the of the polymer. Bioaccumulation Potential : Chemicals are not readily available as they are bound within the of the polymer. Additional advice : No data available. III. DISPOSAL CONSIDERATIONS : Like most thermoplastics the product can be recycled. Where possible, recycling is preferred to disposal or incineration. Th generator of waste material has the responsibility for proper w 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 i has the responsibility for proper waste classification, transport and disposal in accordance with applicable federal, state/provi and local regulations. U.S. DOT Classification : Refer to specific regulation. CAO/IATA : Refer to specific regulation.				Ţ			
Environmental Toxicity : Chemicals are not readily available as they are bound within the of the polymer. Bioaccumulation Potential : Chemicals are not readily available as they are bound within the of the polymer. Additional advice : No data available. 13. DISPOSAL CONSIDERATIONS Product : Like most thermoplastics the product can be recycled. Where possible, recycling is preferred to disposal or incineration. Th generator of waste material has the responsibility for proper w 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 has the responsibility for proper waste classification, transport and disposal in accordance with applicable federal, state/provincial and local regulations. J.S. DOT Classification : Refer to specific regulation. CAO/IATA : Refer to specific regulation.		12. ECOLOGIC	AL INFORMATION	N			
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Additional advice in No data available. 13. DISPOSAL CONSIDERATIONS Product : Like most thermoplastics the product can be recycled. Where possible, recycling is preferred to disposal or incineration. Th generator of waste material has the responsibility for proper w 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 has the responsibility for proper waste classification, transport and disposal in accordance with applicable federal, state/provincial and local regulations. Lots. DOT Classification : Refer to specific regulation. CAO/IATA : Refer to specific regulation.	vironmental Toxicity		: Chemicals are not readily available as they are bound within the matrix of the polymer.				
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Product : Like most thermoplastics the product can be recycled. Where possible, recycling is preferred to disposal or incineration. Th generator of waste material has the responsibility for proper w 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 is has the responsibility for proper waste classification, transport and disposal in accordance with applicable federal, state/provi and local regulations. Local regulations. : Recycling is preferred when possible. The generator of waste is has the responsibility for proper waste classification, transport and disposal in accordance with applicable federal, state/provi and local regulations. LS. DOT Classification : Refer to specific regulation. CAO/IATA : Refer to specific regulation.	lditional advice	: No data availa	able.				
possible, recycling is preferred to disposal or incineration. Th generator of waste material has the responsibility for proper w 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 has the responsibility for proper waste classification, transport and disposal in accordance with applicable federal, state/provi and local regulations. 14. TRANSPORT INFORMATION J.S. DOT Classification : Refer to specific regulation. CAO/IATA : Refer to specific regulation.		13. DISPOSAL	CONSIDERATIONS	5			
J.S. DOT Classification: Refer to specific regulation.CAO/IATA: Refer to specific regulation.		g : Recycling is p has the respon- and disposal i	rcling is preferred to dia waste material has the r transportation and dis deral, state/provincial a preferred when possible nsibility for proper was in accordance with app	sposal or incineration. The esponsibility for proper waste posal in accordance with nd local regulations. e. The generator of waste materia ste classification, transportation			
CAO/IATA : Refer to specific regulation.		14. TRANSPO	RT INFORMATION				
	S. DOT Classification	Refer to speci	ific regulation.				
	AO/IATA	: Refer to speci	ific regulation.				
MO / IMDG : Refer to specific regulation.	10 / IMDG	: Refer to speci	ific regulation.				
15. REGULATORY INFORMATION		15. REGULATO	DRY INFORMATION	N			

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US Regulations:		
OSHA Status	: Classified as hazardous based on components.	
TSCA Status	: All components of this product are listed on or exempt from the Inventory.	ne TSCA
US. EPA CERCLA Hazardous S	Substances (40 CFR 302)	
Not applicable		
California Proposition 65	: This product does not contain a substance listed by California	Prop 65.
Canadian Regulations:		
WHMIS Classification	: D2B	
DSL	: All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.	С
National Inventories:		
Australia AICS	: Listed.	
China IECS	: Listed.	
Europe EINECS	: Not determined.	
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 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.

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