

MATERIAL SAFETY DATA SHEET

VIRTUAL ORANGE

Version Number 1.0 Revision Date 10/25/2002 Page 1 of 6 Print Date 11/6/2011

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	:	VIRTUAL ORANGE
Product code	:	CC10025246
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	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	 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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	a	nd contamination. Keep in	n a dry, cool place.	
8. E	XPOSURE	CONTROLS / PERSON	AL PROTECTION	
Respiratory protection	: N	lo personal respiratory pro	tective equipment nor	rmally required.
Eye/Face Protection	: S	afety glasses with side-shi	elds.	
Hand protection	: P	rotective gloves.		
Skin and body protection	: L	ong sleeved clothing.		
Additional Protective Measures	: S	afety shoes.		
General Hygiene Considerations		Iandle in accordance with g Vash hands before breaks a		
Engineering measures		Ieat only in areas with app ppropriate exhaust ventilat	-	lation. Provide
Exposure limit(s)				
Components	Value	Exposure time	Exposure ty	pe List:
Titanium dioxide	10 mg/m3	Time Weighted Averag (TWA):		ACGIH
Titanium dioxide	15 mg/m3	PEL:	Total dust	. OSHA Z1
	0 DHVSI	CAL AND CHEMICAL	DDADEDTIES	
	<i>7.1113</i>	CAL AND CHEMICAL		
Form	: Solic		aporation rate	: Not applicable.
Appearance	: Pelle		ecific Gravity	: Not determined
Color			ılk density	: Not established
Odor	: Very		apor pressure	: Not applicable
Melting point/range			apor density	: Not applicable
Boiling Point:		applicable pH	I	: Not applicable
Water solubility	: Insol	luble		
	10. 5	STABILITY AND REAC	TIVITY	
Stability	: S	table.		
Hazardous Polymerization	1 : W	Vill not occur.		
Conditions to avoid	Conditions to avoid : Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.			
Incompatible Materials	: Ir	ncompatible with strong ac	eids and oxidizing age	ents.



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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:

of the polymer. Bioaccumulation Potential : Chemicals are not readily available as they are bound within the matrix of the polymer. Additional advice : No data available. Image: the polymer of the polymer. Image: the polymer of the polymer. Additional advice : No data available. Image: the polymer of the polymer. Image: the polymer of the polymer. Additional advice : No data available. Image: the polymer of the polymer. Image: the polymer of the polymer. Additional advice : No data available. Image: the polymer of the polymer. Image: the polymer. Additional advice : No data available. Image: the polymer of the polymer. Image: the polymer. Additional advice : Like most thermoplastics 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. Contaminated packaging : Recycling is preferred when possible. The generator of waste materin has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. U.S. DOT Classification : Refer to specific regulation. <t< th=""><th>13463-67-7</th><th>Titanium dioxide</th><th>Systemic effects</th><th>Respiratory system.</th></t<>	13463-67-7	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 matri of the polymer. Bioaccumulation Potential : Chemicals are not readily available as they are bound within the matri 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. 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 materi has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. U.S. DOT Classification U.S. DOT Classification : Refer to specific regulation. UCAO/IATA : Refer to specific regulation. IMO / IMDG : Refer to specific regulation.			NAL INFORMATION	T		
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ICAO/IATA : Refer to specific regulation. IMO / IMDG : Refer to specific regulation.		14. TRANSPO	RT INFORMATION			
IMO / IMDG : Refer to specific regulation.	U.S. DOT Classification	n : Refer to speci	ific regulation.			
	ICAO/IATA	: Refer to speci	ific regulation.			
15. REGULATORY INFORMATION	IMO / IMDG	: Refer to speci	ific regulation.			
		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 the TSCA inventory or are exempt.
US. EPA CERCLA Hazardous S	Subs	stances (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	:	Listed.
National Inventories:		
Australia AICS	:	Listed.
China IECS	:	Listed.
Europe EINECS	:	Not determined.
Japan ENCS	:	Listed.
Korea KECI	:	Listed.
Philippines PICCS	:	Not determined.
		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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