PolvOne

MATERIAL SAFETY DATA SHEET OPAQUE ORANGE CAP

Version Number 1.1 Revision Date 10/31/2007

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012

Telephone:Emergency telephone:	Product Stewardship (770) 271-5902 CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	OPAQUE ORANGE CAP
Product code	CC10041207
Chemical Name	Mixture
CAS-No.	Mixture
Product Use	Industrial Applications

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

Components	CAS-No.	Weight %
8-Oxa-3,5-dithia-4-stannatetradecanoic acid, 10-ethyl-4,4-dimethyl-7-oxo-, 2-ethylhexyl ester	57583-35-4	1 - 5
Glyceryl monostearate	31566-31-1	1 - 5
Dioctyltin bis(2-ethylhexylmercaptoacetate)	15571-58-1	1 - 5

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	: Particulates, like other inert materials can be mechanically irritating. Excessive inhalation of product vapors, especially during heating or processing, may be irritating to respiratory system.
Ingestion	: May be harmful if swallowed.
Eyes	: Particulates, like other inert materials can be mechanically irritating.
Skin	: Experience shows no unusual dermatitis hazard from routine handling.

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Medical Conditions Aggravated by Exposure:	: No	one known.
	2	. FIRST AID MEASURES
Inhalation	01	ove to fresh air in case of accidental inhalation of fumes from rerheating or combustion. When symptoms persist or in all cases of oubt seek medical advice.
Ingestion		o not induce vomiting without medical advice. When symptoms rsist or in all cases of doubt seek medical advice.
Eyes		nse immediately with plenty of water, also under the eyelids, for at ast 15 minutes. If eye irritation persists, seek medical attention.
Skin		ash off with soap and plenty of water. If skin irritation persists seel edical attention.
	5. F	TRE-FIGHTING MEASURES
Flash point	: N	ot applicable
Flammable Limits		
Upper explosion limit		ot applicable
Lower explosion limit		ot applicable
Autoignition temperature Suitable extinguishing media		ot applicable arbon dioxide blanket, Water spray, Dry powder, Foam.
Special Fire Fighting Procedures	: Fu pr	Illface self-contained breathing apparatus (SCBA) used in positive essure mode should be worn to prevent inhalation of airborne
Unusual Fire/Explosion Hazards	: Ca (N er	ntaminants. arbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (Ox), other hazardous materials, and smoke are all possible. May nit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under fire nditions.
	6. ACC	DENTAL RELEASE MEASURES
Personal precautions		ear appropriate personal protection during cleanup, such as pervious gloves, boots and coveralls.
Environmental precautions		ould not be released into the environment. The product should not allowed to enter drains, water courses or the soil.
Methods for cleaning up	pl	ean up promptly by sweeping or vacuum. Package all material in astic, cardboard or metal containers for disposal. Refer to Section 12 this MSDS for proper disposal methods.

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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 and contamination. Keep in a dry, cool place.
8. EXF	POSUI	RE 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.

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Components	Value	Exposure time	Exposure type	List:
8-Oxa-3,5-dithia-4-sta nnatetradecanoic acid, 10-ethyl-4,4-dimethyl- 7-oxo-, 2-ethylhexyl ester	0.1 mg/m3	Time Weighted Average (TWA):	as Sn	ACGIH
	0.2 mg/m3	Short Term Exposure Limit (STEL):	as Sn	ACGIH
	0.1 mg/m3	PEL:	as Sn	OSHA Z1
	0.1 mg/m3	Time Weighted Average (TWA):	as Sn	MX OEL
	0.2 mg/m3	Short Term Exposure Limit (STEL):	as Sn	MX OEL
Glyceryl monostearate	10 mg/m3	Time Weighted Average (TWA):		ACGIH
Dioctyltin bis(2-ethylhexylmerca ptoacetate)	0.1 mg/m3	PEL:	as Sn	OSHA Z1
	0.1 mg/m3	Time Weighted Average (TWA):	as Sn	ACGIH
	0.2 mg/m3	Short Term Exposure Limit (STEL):	as Sn	ACGIH

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Appearance Color Odour Melting point/range Boiling Point: Water solubility

Hazardous Polymerization

Solid
pellets
ORANGE
Very faint
Not determined
Not applicable
Insoluble

Will not occur.

:

- Evaporation rate Specific Gravity Bulk density Vapour pressure Vapour density pH
- : Not applicable
- : Not determined
- : Not established
- : Not applicable
- : Not applicable
- : Not applicable

10. STABILITY AND REACTIVITY

- Stability : Stable.
 - Conditions to avoid : Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.
 - Incompatible Materials : Avoid contact with strong oxidizers. Also, avoid contact with acetal or acetal copolymers and with amine containing materials during processing. At processing conditions, these materials are mutually destructive and involve rapid degradation. Thoroughly purge and mechanically clean processing equipment to avoid even trace quantities of these materials from coming in contact with each other. Prevent cross contamination of feedstocks.

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Hazardous decomposition products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), hydrogen chloride (HCl), other hazardous materials, and smoke are all possible. Prolonged heating (approximately 30 minutes or more) above 392 °F (200 °C) or short term heating at 482 °F (250 °C) may result in product decomposition and evolution of carbon monoxide and hydrogen chloride.

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
57583-35-4	8-Oxa-3,5-dithia-4-stannat etradecanoic acid, 10-ethyl-4,4-dimethyl-7-o xo-, 2-ethylhexyl ester	Irritant	Eyes, Skin.
15571-58-1	Dioctyltin bis(2-ethylhexylmercaptoa cetate)	Systemic effects	Respiratory system, central nervous system (CNS).

LC50 / LD50

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

CAS-No.	Chemical Name	Route	Value	Species
15571-58-1	Dioctyltin bis(2-ethylhexylmercaptoa cetate)	Oral LD50	2,100 mg/kg	rat

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
	1	3. DISPOSAL CONSIDERATIONS
Product	:	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

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		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.
	1	4. TRANSPORT INFORMATION
U.S. DOT Classification	:	Not regulated for transportation.
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 exempt from the TSCA Inventory.
US. EPA CERCLA Hazardous	Subs	stances (40 CFR 302)
Not applicable		
California Proposition 65	:	Not applicable
SARA Title III Section 302 Ex	treme	ely Hazardous Substance
Unless specific chemicals are i	denti	fied under this section, this product is Not Applicable under this regulation
SARA Title III Section 313 To	xic C	Themicals:
Unless specific chemicals are i	denti	fied under this section, this product is Not Applicable under this regulation
Canadian Regulations:		
National Pollutant Relea	ase Ir	iventory (NPRI)

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Not applicable

WHMIS Classification : D2B

WHMIS Ingredient Disclosure List

CAS-No.	
57583-35-4	
15571-58-1	

:

DSL

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

National Inventories:

Australia AICS	:	Not determined	
China IECS	:	Not determined	
Europe EINECS	:	Not determined	
Japan ENCS	:	Not determined	
Korea KECI	:	Not determined	
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.