

MATERIAL SAFETY DATA SHEET

PITT ORANGE

Version Number 1.0 Revision Date 08/22/2002 Page 1 of 6 Print Date 11/5/2011

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	:	PITT ORANGE
Product code	:	CC10021610
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	1 - 5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole. 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 over 		
Skin	eyes. : 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.		



MATERIAL SAFETY DATA SHEET

PITT ORANGE

ision Date 08/22/2002	Page 2 Print Date 11/5/2
	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 a 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



MATERIAL SAFETY DATA SHEET

PITT ORANGE

URE C : No : Saf : Pro : Lou : Saf : Ha Wa : Hea	o personal respiration fety glasses with otective gloves. ong sleeved cloth fety shoes. andle in accordar ash hands before	PERSONAL 1 ratory protection in side-shields. ning. ning. ning with good breaks and a with appropri st ventilation a	PROTECTION we equipment normally industrial hygiene and t the end of workday. ate exhaust ventilatior	l safety practic
: No : Saf : Pro : Lou : Saf : Ha Wa : He app	b personal respiration of personal respiration of the personal respersonal respiration of the personal respersonal respiration of the personal	atory protective in side-shields. hing. ning. ning with good breaks and a with approprist st ventilation a be time bed Average	ve equipment normally industrial hygiene and t the end of workday. ate exhaust ventilation at machinery. Exposure type	l safety practic n. Provide
: Saf : Pro : Lou : Saf : Ha Wa : He app	fety glasses with otective gloves. ong sleeved cloth fety shoes. andle in accordar ash hands before eat only in areas propriate exhaus <u>Exposure</u> Time Weighte (TWA	h side-shields. hing. nce with good breaks and a with appropri st ventilation a	industrial hygiene and t the end of workday. ate exhaust ventilation at machinery. Exposure type	l safety practic n. Provide
: Pro : Lon : Saf : Ha Wa : He app	otective gloves. ong sleeved cloth fety shoes. andle in accordar ash hands before eat only in areas propriate exhaus <u>Exposure</u> Time Weighte (TWA	ning. nce with good e breaks and a with appropri st ventilation a e time ed Average	industrial hygiene and t the end of workday. ate exhaust ventilatior at machinery. Exposure type	n. Provide
: Lor : Saf : Ha Wa : He app	ing sleeved cloth fety shoes. andle in accordar ash hands before eat only in areas propriate exhaus <u>Exposure</u> Time Weighte (TWA	nce with good e breaks and a with appropri st ventilation a e time ed Average	t the end of workday. ate exhaust ventilation at machinery. Exposure type	n. Provide
: Saf : Ha Wa : He app	fety shoes. andle in accordar ash hands before at only in areas propriate exhaus <u>Exposure</u> Time Weighte (TWA	nce with good e breaks and a with appropri st ventilation a e time ed Average	t the end of workday. ate exhaust ventilation at machinery. Exposure type	n. Provide
: Ha Wa : He app	andle in accordar ash hands before eat only in areas propriate exhaus <u>Exposure</u> Time Weighte (TWA	e breaks and a with appropri st ventilation a e time ed Average	t the end of workday. ate exhaust ventilation at machinery. Exposure type	n. Provide
Wa : Hea app	ash hands before eat only in areas propriate exhaus <u>Exposure</u> Time Weighte (TWA	e breaks and a with appropri st ventilation a e time ed Average	t the end of workday. ate exhaust ventilation at machinery. Exposure type	n. Provide
apr ie t/m3	propriate exhaus Exposure Time Weighte (TWA	e time ed Average	at machinery. Exposure type	List:
¢/m3	Time Weighte (TWA	ed Average		
¢/m3	Time Weighte (TWA	ed Average		
¢/m3	Time Weighte (TWA	ed Average		
/m3				
			Total dust.	OSHA Z
YSIC	AL AND CHEN	MICAL PRO	PERTIES	
Solid		Evapor	ation rate : No	ot applicable.
Pellets	s			ot determined
ORAN	NGE	Bulk de		ot established
: Very faint Vapor pressure			pressure : N	ot applicable
: Not determined Vap				ot applicable
: Not applicable pH : Not applicabl				
Insolu	ble	-		
10. ST	FABILITY AN	D REACTIV	ITY	
: Sta	able.			
: Wi	ill not occur.			
				avoid thermal
: Inc	compatible with	strong agids a	and oxidizing agents.	
	Insolu 10. S [*] : Sta : W : Ke de	Insoluble 10. STABILITY AN : Stable. : Will not occur. : Keep away from o decomposition, do	Insoluble 10. STABILITY AND REACTIV : Stable. : Will not occur. : Keep away from oxidizing agen decomposition, do not overheat.	Insoluble 10. STABILITY AND REACTIVITY : Stable. : Will not occur. : Keep away from oxidizing agents and open flame. To decomposition, do not overheat.



MATERIAL SAFETY DATA SHEET

PITT ORANGE

Version Number 1.0 Revision Date 08/22/2002

Page 4 of 6 Print Date 11/5/2011

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			
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.			
	12. ECOLOGIO	CAL INFORMATION	1			
Persistence and degrada	ability : Not readily b	iodegradable.				
Environmental Toxicity	Chemicals are of the polyme		s they are bound within the matrix			
Bioaccumulation Poten	tial : Chemicals are of the polyme		s they are bound within the matrix			
Additional advice	: No data avail	able.				
	13. DISPOSAL	CONSIDERATIONS	1 9			
Product Contaminated packagin	possible, recy generator of v classification applicable fea ag : Recycling is p has the respon and disposal	 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. 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. 				
	14. TRANSPO	RT INFORMATION				
U.S. DOT / CA TDG Classification	: Not regulated	l for transportation.				
ICAO/IATA	: Not regulated	l for transportation.				
IMO / IMDG	: Not regulated	l for transportation.				
	15. REGULATO					

MATERIAL SAFETY DATA SHEET



	Revision Date 08/22/2002 Print Date 17/62/0 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 Substances (40 CFR 302) Not applicable California Proposition : This product does not contain a substance listed by California Prop 65. Canadian Regulations: WHMIS Classification : D2B WHMIS Ingredient Disclosure List CAS-No.	PITT ORANGE		
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 based on components. INOT applicable California Proposition : This product does not contain a substance listed by California Prop 65. Canadian Regulations: : D2B WHMIS Classification : D2B WHMIS Classification : D2B WHMIS Classification : D2B WHMIS Classification : D2B DSL . D2B Status . D2B DSL . Isted. Naturalia AICS : Listed. China IECS . Isted. Image ENCS : Not determined. Image	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 based on components. INOT applicable California Proposition : This product does not contain a substance listed by California Prop 65. Canadian Regulations: : Status WHMIS Classification : D2B WHMIS Ingredient Discussion : D2B WHMIS Ingredient Discussion : D2B DSL . D2B MATA Status : D2B WIMIS Ingredient Discussion : D2B DSL . D2B DSL . D2B Status : D2B DSL . D2B Data FICS .			Page 5 of e Print Date 11/5/201
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 Substances (40 CFR 302) Not applicable California Proposition : This product does not contain a substance listed by California Prop 65. Canadian Regulations: : Status WHMIS Classification : D2B WHMIS Classification : D2B WHMIS Classification : D2B WHMIS Classification : D2B WIMIS Classification : D2B WIMIS Classification : D2B DSL . D2B DSL . Isted. National Inventories: : Isted. Australia AICS : Listed. China IECS : Not determined. Japan ENCS : Not determined. Lapan ENCS : Not determined. Lippines PICCS : Not determined.	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 based on components. INOT applicable California Proposition : This product does not contain a substance listed by California Prop 65. Canadian Regulations: : D2B WHMIS Classification : D2B WHMIS Ingredient Discrete List : Import Discrete Canadian Regulations: : D2B DSL . D2B WHMIS Ingredient Discrete List : D2B DSL . D2B DSL . Isted. Notamenter : Isted. China IECS . Isted. Import EINECS : Not determined. Import EINECS : Not determined. <td></td> <td></td> <td></td>			
TSCA Status All components of this product are listed on the TSCA inventory or are comp. US.EPA CERCLA Hazardous Substances (40 CFR 302) Not applicable California Proposition response California Proposition response Canadian Regulations: VHMIS Classification WHMIS Classification response WHMIS Classification D2B WHMIS Ingredient Discusse Listed. California AlCS tested. Not applicable Listed. Naturalia ALCS tested. China IECS Sisted. Lappe EINECS Not determined. Japa ENCS Not determined. Lappe NCCS Not determined. Hilippines PICCS Not determined.	TSCA Status All components of this product are listed on the TSCA inventory or are exempt. US.EPA CERCLA Hazardous Substances (40 CFR 302) Not applicable California Proposition ris product does not contain a substance listed by California Prop 65. 65 Canadian Regulations: VHMIS Classification WHMIS Classification D2B WHMIS Ingredient Discussition D2B WHMIS Classification D2B WIMIS Ingredient Discussition Isted. DSL Isted. Not applicable Isted. Naturalia AICS Isted. China IECS Isted. Ima ENCS Not determined. Japan ENCS Not determined. Korea KECI Not determined. Philippines PICCS Not determined.	US Regulations:		
exempt. US. EPA CERCLA Hazardous Substances (40 CFR 302) Not applicable Not applicable California Proposition MHMIS Classification VEMMIS Ingredient Discusse CAS-No. 150-13-0 DSL DSL Listed. CAS-No. 150-13-0 Sisted. DSL Listed. Australia AICS Sisted. Chana IECS Sisted. Sisted. Chana IECS Not determined. Iapan ENCS Not determined. Chana IECS Not determined. Iapan ENCS Not determined. Not determined. Chana IECS Not determined. Interprime PI	exempt. US. EPA CERCLA Hazardous Substances (40 CFR 302) Not applicable Not applicable California Proposition WHMIS Classification VERSING Colspan="2">CAS-No. CAS-No. ISL CAS-No. ISL Isted. CAS-No. ISL Isted. CAS-No. ISL Isted. Chanal ECS Isted. Isted. Not determined. Not determined. Apan ENCS Not determined. Endippines PICCS Not determined.	OSHA Status	:	Classified as hazardous based on components.
Not applicable Statifornia Proposition 6: Statifornia Proposition 6: California Proposition 6: Statifornia Proposition 7: Statifornia Proposition 7: Canadian Regulations: Statifornia Proposition 7: Statifornia Proposition 7: MHMIS Classification 7: Statifornia Proposition 7: Statifornia Proposition 7: DSL StateA StateA National Inventories: StateA StateA Australia AICS StateA StateA China IECS StateA StateA Australia AICS StateA StateA China IECS StateA StateA Australia AICS StateA StateA China IECS StateA StateA China IECS StateA StateA Australia AICS StateA StateA China IECS StateA StateA Australia AICS StateA StateA China IECS StateA StateA China IECS StateA StateA Australia AICS StateA StateA China IECS StateA StateA Aust	Not applicable Stapplicable California Proposition 65 Stapplicable California Proposition 65 Stapplicable Canadian Regulations: Stapplicable WHMIS Classification 1 Stapplicable Verture 1500 Stapplicable CAS-No. Stapplicable Isol-13-0 Stapplicable DSL Stapplicable DSL Stapplicable Australia AICS Stapplicable Isol-13-0 Stapplicable DSL Stapplicable Australia AICS Stapplicable Initia IRCS Stapplicable Isol-1 Stapplicable Isol-1 Stapplicable Australia AICS Stapplicable Initia IRCS Stapplicable Isol-1 Stapplicable <td>TSCA Status</td> <td>:</td> <td></td>	TSCA Status	:	
California Proposition : This product does not contain a substance listed by California Prop 65. Canadian Regulations: : WHMIS Classification : D2B WHMIS Ingredient Disclosure List : Cas-No. : D1 Jo-13-0 : Listed. DSL : Listed. National Inventories: : Listed. China IECS : Not determined. Iapan ENCS : Not determined. Korea KECI : Not determined. Philippines PICCS : Not determined.	California Proposition : This product does not contain a substance listed by California Prop 65. 65 Canadian Regulations: . WHMIS Classification : D2B WHMIS Ingredient Disclosure List . CAS-No. . 150-13-0 . DSL . DSL . Australia AICS . Australia AICS . Linope EINECS . Japan ENCS . Not determined. Korea KECI . Philippines PICCS . Not determined.	US. EPA CERCLA Hazardous	Sub	stances (40 CFR 302)
65Canadian Regulations:MHMIS Classification ::DE $CAS-No.$ $150-13-0$ DSLDSLListed.National Inventories:Australia AICSHisted.China IECSChina IECSMot determined.Apan ENCSMot determined.Creak ECIMot determined.Mot determined.Mot and ENCSMot and ENCS </td <td>65Canadian Regulations:MHMIS Classification ::DSL:$CAS-No.$ 150-13-0DSL:CAS-No. 150-13-0DSL:<td>Not applicable</td><td></td><td></td></br></td>	65Canadian Regulations:MHMIS Classification ::DSL: $CAS-No.$ 150-13-0DSL: $CAS-No.$ 150-13-0DSL: $CAS-No.$ 150-13-0DSL: $CAS-No.$ 	Not applicable		
WHMIS Classification : D2B WHMIS Ingredient Discurstration : Image: CAS-No. : 150-13-0 : DSL Cisted. National Inventories: : Australia AICS : China IECS : Image: Cape EINECS : Australia AICS : <	WHMIS Classification : D2B WHMIS Ingredient Discurstration : Image: CAS-No. : 150-13-0 : DSL : DSL : Australia AICS : China IECS : Image: EINECS : Australia AICS		:	This product does not contain a substance listed by California Prop 65.
CAS-No. 150-13-0 DSL Listed. National Inventories: Australia AICS Isited. China IECS Listed. Europe EINECS Not determined. Japan ENCS Not determined. Korea KECI Not determined. Philippines PICCS Not determined.	CAS-No. 150-13-0 DSL Listed. National Inventories: Australia AICS Isted. China IECS Listed. Europe EINECS Vot determined. Japan ENCS Not determined. Korea KECI Not determined. Philippines PICCS Not determined.	Canadian Regulations:		
CAS-No. 150-13-0Isited.DSL:Listed.National Inventories::Australia AICS:Listed.China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	CAS-No. 150-13-0Isted.DSL:Listed.National Inventories::Australia AICS:Listed.China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	WHMIS Classification	:	D2B
I50-13-0DSL:Listed.National Inventories:Australia AICS:Listed.China IECS:Europe EINECS:Japan ENCS:Not determined.Korea KECI:Philippines PICCS:Not determined.	I50-13-0DSL:Listed.National Inventories:Australia AICS:Listed.China IECS:Europe EINECS:Japan ENCS:Korea KECI:Not determined.Philippines PICCS:Not determined.	WHMIS Ingredient Disc	losu	ire List
DSL:Listed.National Inventories:Australia AICS:Australia AICS:Listed.China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	DSL:Listed.National Inventories:Australia AICS:Australia AICS:Listed.China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.			
National Inventories: Australia AICS : Listed. China IECS : Listed. Europe EINECS : Not determined. Japan ENCS : Not determined. Korea KECI : Not determined. Philippines PICCS : Not determined.	National Inventories: Australia AICS : Listed. China IECS : Listed. Europe EINECS : Not determined. Japan ENCS : Not determined. Korea KECI : Not determined. Philippines PICCS : Not determined.			
Australia AICS:Listed.China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	Australia AICS:Listed.China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	DSL	:	Listed.
China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	China IECS:Listed.Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	National Inventories:		
Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	Europe EINECS:Not determined.Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	Australia AICS	:	Listed.
Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	Japan ENCS:Not determined.Korea KECI:Not determined.Philippines PICCS:Not determined.	China IECS	:	Listed.
Korea KECI:Not determined.Philippines PICCS:Not determined.	Korea KECI:Not determined.Philippines PICCS:Not determined.	Europe EINECS	:	Not determined.
Philippines PICCS : Not determined.	Philippines PICCS : Not determined.	Japan ENCS	:	Not determined.
		Korea KECI	:	Not determined.
16. OTHER INFORMATION	16. OTHER INFORMATION	Philippines PICCS	:	Not determined.
				16. OTHER INFORMATION



MATERIAL SAFETY DATA SHEET

PITT ORANGE

Version Number 1.0 Revision Date 08/22/2002 Page 6 of 6 Print Date 11/5/2011

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.