

MATERIAL SAFETY DATA SHEET

TAMP35509648 VBX3550 9648 MD DK NEUTRAL

Version Number 1.0 Revision Date 06/12/2002 Page 1 of 6 Print Date 11/5/2011

1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE	:	Product Stewardship, (314) 771-1800
Emergency telephone number	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	TAMP35509648 VBX3550 9648 MD DK NEUTRAL
Product code	:	FO00007423
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 for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants 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. See sections 8 and 11 for special precautions.

POTENTIAL HEALTH EFFECTS

Routes of Exposure:	: Inhalation, Skin contact, Ingestion
Acute exposure	
Inhalation Ingestion Eyes Skin	 Resin particles, like other inert materials, can be mechanically irritating. May be harmful if swallowed. Particulates, like other inert materials can be mechanically irritating. Experience shows no unusual dermatitis hazard from routine handling.
Chronic exposure Medical Conditions Aggravated by Exposure:	Refer to Section 11 for Toxicological Information.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 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 seek 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. May emit Hydrogen Chloride (HCl) or Carbon Monoxide (CO) under fire conditions.
	6. A	CCIDENTAL 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 only in areas with appropriate exhaust ventilation. Processing fume condensates may contain combustible or toxic residue. Periodically clean hoods, ducts, and other surfaces to minimize accumulation of



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Considerations 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 Lis Titanium dioxide 10 mg/m3 Time Weighted Average Total dust. ACC (TWA): Total dust. OSH/ Form : Solid Evaporation rate : Not applicate Appearance : powder, granular Specific Gravity : Not applicate Appearance : powder, granular Specific Gravity : Not applicate Appearance : powder, granular Specific Gravity : Not applicate Boiling Point/range : Not determined Vapor density : Not applicate Boiling Point: : Not applicable pH : Not applicate Boiling Point: : Insoluble Insoluble :					Print Date 11/5/
and contamination. Keep in a dry, cool place. 8. EXPOSURE CONTROLS / PERSONAL PROTECTION Respiratory protection : No personal respiratory protective equipment normally required. dusty conditions occur wear appropriate respiratory protection. Eye/Face Protection : Safety glasses with side-shields. Hand protection :: Protective gloves. Skin and body protection : Long sleeved clothing. Additional Protective :: Safety shoes. Measures : Mash ands 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) : Exposure time Exposure type Lis Titanium dioxide 10 mg/m3 Time Weighted Average Total dust. ACC Form : Solid Evaporation rate : Not applicat PHYSICAL AND CHEMICAL PROPERTIES Ford dust. OSH/ Form : Solid Evaporation rate : Not applicat Ordin : Powder, granular Specific Gravity : Not determine Color : BROWN Bulk density : Not applicat Boiling Point: : Not applicate PH		th	ese materials.		
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Conditions to avoid : To avoid thermal decomposition, do not overheat. Keep away fr	Titanium dioxide Titanium dioxide Titanium dioxide Form Appearance Color Odor Melting point/range Boiling Point: Water solubility Stability	10 mg/m3 15 mg/m3 9. PHYSIC : Solid : powc : BRO : Very : Not c : Not a : Insol 10. S : Solid : Solid : powc : Solid : Soli	Time Weighted Average (TWA): PEL: CAL AND CHEMICAL PR Evap ler, granular Speci WN Bulk faint Vapo letermined Vapo upplicable pH uble TABILITY AND REACTI table.	Total dust. Total dust. OPERTIES oration rate : ific Gravity : density : or pressure : or density :	ACGIH OSHA Z Not applicable. Not determined Not determined Not applicable Not applicable



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		oxidizing agents and open flame.
Incompatible Materials	:	Incompatible with strong acids and oxidizing agents. Avoid contact with acetal homopolymers and acetal copolymers during processing.
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 /	TOVICOL OCICAL INFORMATION

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:

				Respiratory system.
	1	2. ECOLOGIC	AL INFORMATION	
Persistence and degrad	ability :	Not readily bio	odegradable.	
Environmental Toxicit	y :	Adverse ecolo	gical impact is not kno	own or expected under normal use
Bioaccumulation Potential		No data availa	ble.	
Additional advice	:	No data availa	ble.	
	1	3. DISPOSAL	CONSIDERATIONS	5
Product	:	generator of w classification,	aste material has the r	ed to disposal or incineration. The esponsibility for proper waste posal in accordance with nd local regulations.
Contaminated packagii	ng :	has the respon	sibility for proper was accordance with app	e. The generator of waste materia te classification, transportation licable federal, state/provincial
		14. TRANSPOR	RT INFORMATION	
U.S. D.O.T. / CA T.D. Classification (Non-bu ground)		Not regulated	for transportation.	



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ICAO/IATA		Not regulated for transportation.
	•	
IMO / IMDG	:	Not regulated for transportation.
	15	5. REGULATORY INFORMATION
US Regulations:		
OSHA Status	:	Classified as hazardous based on components.
TSCA Status	:	All components of this product are listed on the TSCA inventory or ar exempt.
US. EPA CERCLA Hazardous	Sub	stances (40 CFR 302)
Not applicable		
California Proposition 65	:	WARNING! This product contains a chemical known in the State of California to cause cancer.
Canadian Regulations:		
WHMIS Classification	:	D2B
WHMIS Ingredient Disc	closu	ire List
CAS-No. 1305-62-0 1333-86-4 557-05-1 75-01-4		
Del	:	Listed.
DSL		
	:	Not determined.
National Inventories:	:	Not determined.
National Inventories: Australia AICS		
National Inventories: Australia AICS China IECS	:	Not determined.



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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.