PolyOne

MATERIAL SAFETY DATA SHEET **YELLOW 3**

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POLYONE CORPORATI 33587 Walker Road, Avoi		OH 44012
Telephone E mergency telephone number	:	1 (440) 930-1000 or 1 (866) POLYONE CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).
Product name	:	YELLOW 3
Product code	:	CC10136451
Chemical Name	:	Mixture
CAS-No.	:	Mixture
Product Use	:	Industrial Applications

Components	CAS-No.	Weight percent
Boric acid (H3BO3)	10043-35-3	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	: Resin particles, like other inert materials, can be mechanically irritating.
Ingestion	: May be harmful if swallowed.
Eyes	: 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.



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Medical Conditions Aggravated by Exposure:	: None known.
	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 seek medical attention.
	5. FIREFIGHTING MEASURES
Flash point	: not applicable
Flammable Limits Upper explosion limit Lower explosion limit Auto-ignition temperature Suitable extinguishing media Special Fire Fighting Procedures Unusual Fire/Explosion Hazards	 not applicable not applicable not applicable Carbon dioxide blanket, Water spray, Dry powder, Foam. Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), other hazardous materials, and smoke are all possible.
	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 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.
	7. HANDLING AND STORAGE
Handling	: Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.



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Storage		Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.				
8.1	EXPOSURI	E CONTROLS/PERSONAL F	PROTECTION			
Respiratory protection	: 1	No personal respiratory protectiv	ve equipment normally r	equired.		
Eye/Face Protection	: 5	Safety glasses with side-shields				
Hand protection	: F	Protective gloves				
Skin and body protection	: I	Long sleeved clothing				
Additional Protective Measures	: 5	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:		
Boric acid (H3BO3)	2 mg/m3	Time Weighted Average (TWA):	Inhalable fraction.	ACGIH		
	6 mg/m3	Short Term Exposure Limit (STEL):	Inhalable fraction.	ACGIH		
	2 mg/m3	Time Weighted Average	Inhalable fraction.	ACGIH		

2 mg/m5	(TWA):	minarable fraction.	ACGIH
6 mg/m3	Short Term Exposure Limit (STEL):	Inhalable fraction.	ACGIH
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9. PHYSICAL AND CHEMICAL PROPERTIES

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

: solid : pellets : YELLOW : very faint Not determined : not applicable insoluble :

:

:

Evapouration rate Specific Gravity Bulk density Vapour pressure Vapour density pН

The product is stable if stored and handled as prescribed.

: Not applicable : Not determined Not established : not applicable : : not applicable not applicable :

10. STABILITY AND REACTIVITY

Stability

Hazardous Polymerization

: Will not occur.

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sion Date 03/21/201	14			Pri	int Date 3/25/2		
Conditions to avoid	:		om oxidizing agents n, do not overheat.	and open flame. T	o avoid thermal		
Incompatible Material	s :	Incompatible	with strong acids an	with strong acids and oxidizing agents.			
Hazardous decomposi products	tion :		de (CO2), carbon mo hazardous materials,				
	11.	TOXICOLOG	ICAL INFORMAT	TION			
This mixture has not b health data for the indi <u>Toxicity Overview</u> This product contains	ividual comp	oonents which co	omprise the mixture.				
CAS-No.	Che	mical Name	Effect	Targ	et Organ		
10043-35-3	Boric acio	l (H3BO3)	Oral LD50Oral LD50Oral LD50Oral LD50 Dermal LD50	2,660 mg/kg2,660 mg/kg3,450 mg/kg2.95 g/kg 2,000 mg/kg	ratratmouseCl ken rabbit		
	1		CAL INFORMATIO	ON			
Densistance and degree							
Persistence and degradability Environmental Toxicity		Not readily biodegradable.Chemicals are not readily available as they are bound within the polymer matrix.					
Bioaccumulation Pote	ntial :	Chemicals are polymer matr	e not readily availabl ix.	le as they are bound	l within the		
	Additional advice :		: no data available				
Additional advice				NS			
Additional advice		13. DISPOSAL	CONSIDERATIO				

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Contaminated packaging	Recycling is preferred w material has the responsi transportation and dispos state/provincial and loca	bility for proper was al in accordance w	aste classification,	al,
	14. TRANSPORT INFOR	RMATION		
U.S. DOT Classification	Not regulated for transpo	ortation.		
ICAO/IATA	Refer to specific regulati	on.		
IMO/IMDG (maritime)	Refer to specific regulati	on.		
1	5. REGULATORY INFO	RMATION		
US Regulations:				
OSHA Status	Classified as hazardous l	based on componer	its.	
TSCA Status	All components of this p TSCA Inventory.	product are listed o	n or exempt from th	le
US. EPA CERCLA Hazardous Su	bstances (40 CFR 302)			
not applicable				
California Proposition 5	Not applicable			
SARA Title III Section 302 Extrem	nely Hazardous Substance			
Unless specific chemicals are iden	tified under this section, thi	s product is Not Aj	oplicable under this	regulation
SARA Title III Section 313 Toxic	Chemicals:			
Unless specific chemicals are iden	tified under this section, thi			regulation
Chemical Name VANADIUM COMPOUNDSV	ANADIUM	CAS-No. 14059-33-7	Weight percent 5.00 - 10.00	
COMPOUNDS ZINC COMPOUNDS		1314-98-3	10.00 - 30.00	
Canadian Regulations:				
National Pollutant Release	Inventory (NPRI)			
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Chemical Name			CAS-No.	Weight	NPRI ID#
				percent	
Bismuth vanadium oxide (BiVO4)			14059-33-7	5.00 - 10.00	
				5.00 - 10.00	
				5.00 - 10.00	
Zinc sulfide			1314-98-3	10.00 - 30.00	
WHMIS Classification	:	D2A			
	1	T 1 .			
WHMIS Ingredient Dis	closu	ire List			
CAS-No.					
10043-35-3					
DSL	:			re on the Canadian	Domestic
		Substances List	t (DSL) or are exer	npt.	
ational Inventories:					
Australia AICS	:	Not determined			
China IECS	:	Not determined	l		
		Listed			
Europe EINECS	:	Listed			
-	:	Not determined	l		
Japan ENCS	:	Not determined			
-					
Japan ENCS	:	Not determined	l		

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.