### MP-72995AB WHITE W/ SPECKLES

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# SAFETY DATA SHEET

#### MP-72995AB WHITE W/ SPECKLES

Section 1. Identification	on	
GHS product identifier Chemical name CAS number Other means of identification Product type	:	MP-72995AB WHITE W/ SPECKLES Mixture Mixture CC01066778 solid
<u>Relevant identified uses of the subs</u> Product use	stance :	e or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	POLYONE CORPORATION 33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

# Section 2. Hazards identification

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. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.
GHS label elements		
Signal word	:	No signal word.
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Hazard statements

No known significant effects or critical hazards.

#### **Precautionary statements**

General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

# Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC01066778

CAS number/other identifiers

Ingredient name	%	CAS number
Phenol, 4,4'-(1-methylethylidene)bis[2,6-dibromo-	10 - 25	Not available.
Antimony trioxide	5 - 10	1309-64-4
Titanium dioxide	1 - 3	13463-67-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

# Section 4. First aid measures

Description of necessary first aid measures



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Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

#### Most important symptoms/effects, acute and delayed

Potential acute health effects		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical attention and special treatment needed, if necessary		
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)



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# **Section 5. Firefighting measures**

#### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$ . None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containme	ent a	nd cleaning up

Small spill	:	Move containers from spill area. Vacuum or sweep up material and
		place in a designated, labeled waste container. Dispose of via a

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Large spill

licensed waste disposal contractor.

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

#### Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits		
Titanium dioxide	OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3		
Antimony trioxide	<b>OSHA PEL (1993-06-30)</b> TWA 0.5 mg/m3 (as antimony)		
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		NIOSH REL (1994-06-01) TWA 0.5 mg/m3 (as antimony) OSHA PEL 1989 (1989-03-01) TWA 0.5 mg/m3 (as antimony)
Phenol, 4,4'-(1-methylethylidene)bis[2 dibromo-	.,6-	None.
Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls :		Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
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# Section 9. Physical and chemical properties

#### **Appearance**

Physical state	:	solid [Pellets.]
Color	:	WHITE
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	insoluble in water.
Partition coefficient: n-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.

# Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid Incompatible materials	:	Keep away from extreme heat and oxidizing agents. Keep away from strong acids. Oxidizer.

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Hazardous decomposition	:	Under normal conditions of storage and use, hazardous decomposition
products		products should not be produced.

# Section 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.

#### **Information on toxicological effects**

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure			
Titanium dioxide							
Remarks - Oral:	No applicable toxi	No applicable toxicity data					
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h			
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-			
Antimony trioxide							
	LD50 Oral	Rat	34,000 mg/kg	-			
<b>Remarks - Inhalation:</b>	No applicable toxi	No applicable toxicity data					
<b>Remarks - Dermal:</b>	No applicable toxi	No applicable toxicity data					
Phenol, 4,4'-(1-methylethylide	ne)bis[2,6-dibromo-						
	LD50 Oral	Rat	5,000 mg/kg	-			
<b>Remarks - Inhalation:</b>	No applicable toxicity data						
<b>Remarks - Dermal:</b>	No applicable toxicity data						
Conclusion/Summary	: Mixture.Not fully tested.						

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild	Human		72 hrs	-
	irritant				
Antimony trioxide	Eyes - Mild	Rabbit			-
	irritant				
Conclusion/Summary					
Skin	: M	lixture.Not full	y tested.		
Eyes	: N	lixture.Not full	y tested.		
Respiratory	: Mixture.Not fully tested.				
Sensitization					
Conclusion/Summary					
Skin	: N	lixture.Not full	y tested.		
Respiratory	: N	lixture.Not full	y tested.		
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<u>Mutagenicity</u>				
Conclusion/Summary	: 1	Mixture.Not fu	ally tested.	
<b>Carcinogenicity</b>				
Conclusion/Summary	: 1	Mixture.Not fu	ally tested.	
Classification Product/ingredient	OSHA	IARC	NTP	
name	USHA	IAKC	MIF	
Titanium dioxide		2B		
Antimony trioxide		2B 2B		
Phenol, 4,4'-(1-		2B 2A		
methylethylidene)bis[2,6-		211		
dibromo-				
dibronio				
<b><u>Reproductive toxicity</u></b>				
Conclusion/Summary	: 1	Mixture.Not fu	ally tested.	
<b>Teratogenicity</b>				
Conclusion/Summary	: 1	Mixture.Not fu	ally tested.	
Specific target organ toxicity Not available.	/ (single expos	<u>sure)</u>		
Specific target organ toxicity Not available.	v (repeated ex	posure)		
Aspiration hazard Not available.				
Information on likely routes exposure	of :	Not available.		
Potential acute health effects				
Evo contact		No known sign	nificant effects or critical hazards.	
Eye contact Inhalation			nificant effects or critical hazards.	
Skin contact			nificant effects or critical hazards.	
Ingestion			nificant effects or critical hazards.	
11120311011	•	ino known sigi	inicant critects of critical hazalus.	
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#### Symptoms related to the physical, chemical and toxicological characteristics



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Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Long term exposure		
Potential immediate effects Potential delayed effects	:	Not available. Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General Carcinogenicity Mutagenicity Teratogenicity Developmental effects Fertility effects	:::::::::::::::::::::::::::::::::::::::	No known significant effects or critical hazards. No known significant effects or critical hazards.
Numerical measures of toxicity		

#### Acute toxicity estimates

Not available.

# Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
Titanium dioxide			
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h
	water		
Remarks - Acute - Fish:	Acute		
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	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h				
Remarks - Acute - Aquatic invertebrates.:	Acute						
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h				
Remarks - Acute - Aquatic invertebrates.:	Acute						
Remarks - Acute - Aquatic plants:	No applicable toxicity data						
Remarks - Chronic - Fish:	No applicable toxicity data						
Remarks - Chronic -	No applicable toxicity data						
Aquatic invertebrates.:							
Antimony trioxide							
	Acute LC50 > 530 Mg/l Fresh water	Fish - Fish	96 h				
Remarks - Acute - Fish:	Acute	1					
	Acute EC50 560 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h				
Remarks - Acute - Aquatic invertebrates.:	Acute						
	Acute EC50 0.42345 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h				
Remarks - Acute - Aquatic invertebrates.:	Acute						
	Acute EC50 0.73 Mg/l Fresh water	Aquatic plants - Algae	72 h				
Remarks - Acute - Aquatic plants:	Acute						
	Acute EC50 0.74 Mg/l Fresh water	Aquatic plants - Algae	96 h				
Remarks - Acute - Aquatic plants:	Acute						
	Acute NOEC 0.2 Mg/l Fresh water	Aquatic plants - Algae	96 h				
Remarks - Acute - Aquatic plants:	Chronic						
Remarks - Chronic - Fish:	No applicable toxicity data						
<b>Remarks - Chronic -</b>	No applicable toxicity data						
Aquatic invertebrates.:							
Phenol, 4,4'-(1-methylethylide		Eich Eich	06 h				
Domorka Aouto Fish	Acute LC50 0.06 Mg/l Fresh water	Fish - Fish	96 h				
Remarks - Acute - Fish:	Acute Acute EC50 0.0079 Mg/l Fresh	Aquatic invertebrates.	48 h				
	water	Daphnia					
Remarks - Acute - Aquatic invertebrates.:	Acute	· · ·					



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	Acute EC5 water	0 0.08 Mg/l Marine	Aquatic plants - Algae	72 h
Remarks - Acute - Aquatic	Acute		I	
plants:	Chronic N(	DEC 0.00126 Ma/l Erech	Fish - Fish	105 d
		DEC 0.00136 Mg/l Fresh	F1811 - F1811	105 u
	water			
Remarks - Chronic - Fish:	Chronic			
<b>Remarks - Chronic -</b>	No applical	ble toxicity data		
Aquatic invertebrates.:				
MP-72995AB WHITE W/ SPE	ECKLES			
Remarks - Acute - Aquatic	Chemicals	Chemicals are not readily available as they are bound within the polymer matrix.		
invertebrates.:		·	•	1 /
<b>Conclusion/Summary</b>	:		y available as they are bour	nd within the
		polymer matrix.		
Persistence and degradability	<u>Y</u>			
Conclusion/Summary	:	Chemicals are not readily polymer matrix.	y available as they are bour	nd within the
Conclusion/Summary	:	Chemicals are not readily polymer matrix.	y available as they are bou	nd within the

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Phenol, 4,4'-(1-	5.903	1,713.00	high
methylethylidene)bis[2,6-dibromo-			

#### Mobility in soil

Soil/water partition coefficient (KOC)	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards.

# Section 13. Disposal considerations

<b>Disposal methods</b> : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmenta protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable	
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products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

## **Section 14. Transport information**

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	:	Not classified as dangerous goods under transport regulations.

# Section 15. Regulatory information

U.S. Federal regulations	:	United States - TSCA 12(b) - Chemical export notification: The following components are listed: Phenol, 4,4'-(1-methylethylidene)bis[2,6-dibromo-
		United States - TSCA 4(a) - Final Test Rules: Not listed United States - TSCA 4(a) - ITC Priority list: Not listed United States - TSCA 4(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed
		United States - TSCA 5(e) - Substances consent order: Not listed United States - TSCA 6 - Final risk management: Not listed United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed



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		United States - TSCA 8(a) - Dioxin/Furane precusor: Not listed United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed United States - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Antimony trioxide United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 602 Class I Substances	:	Not listed
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor Chemicals)	:	Not listed
DEA List II Chemicals (Essential	:	Not listed

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

Chemical Name	CAS-No.	RQ for component
Antimony trioxide	1309-64-4	1,000 lb(s) 454 kg

#### SARA 311/312

**Chemicals**)

Classification

Not applicable.

:

#### **Composition/information on ingredients**

No products were found.



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Name	%	Classification
Titanium dioxide	>= 1 - <= 3	Delayed (chronic) health hazard
Phenol, 4,4'-(1- methylethylidene)bis[2,6- dibromo-	>= 10 - <= 25	Delayed (chronic) health hazard
Antimony trioxide	>= 5 - <= 10	EYE IRRITATION - Category 2B CARCINOGENICITY - Category 2

#### SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	Phenol, 4,4'-(1- methylethylidene)bis[2,6- dibromo-		10 - 25
	Antimony trioxide	1309-64-4	5 - 10
Supplier notification	Phenol, 4,4'-(1- methylethylidene)bis[2,6- dibromo-		10 - 25
	Antimony trioxide	1309-64-4	5 - 10

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations	
Massachusetts	: None of the components are listed.
New York	: The following components are listed: Antimony trioxide
New Jersey	: The following components are listed: Titanium dioxide Antimony trioxide
Pennsylvania	<ul><li>Phenol, 4,4'-(1-methylethylidene)bis[2,6-dibromo-</li><li>The following components are listed: Antimony trioxide</li></ul>
	Titonium dianida

Titanium dioxide

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Phenol, 4,4'-(1-methylethylidene)bis[2,6-dibromo-, Antimony trioxide, Titanium dioxide, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.



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Ingredient name	No significant risk level	Maximum acceptable dosage level	
Phenol, 4,4'-(1-methylethylidene)bis[2,6- dibromo-	No.	No.	
Antimony trioxide	No.	No.	
Titanium dioxide	No.	No.	

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
Inventory list		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

# **Section 16. Other information**

Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on

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HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.				
History		_		
Date of printing	:	01/08/2019		
Date of issue/Date of revision	:	01/04/2019		
Date of previous issue	:	07/02/2018		
Version	:	1.1		
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations		
References	:	Not available.		

#### Notice to reader

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