# <u>PolyOne</u>

### SAFETY GREEN HM UV

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# SAFETY DATA SHEET

### SAFETY GREEN HM UV

Section 1. Identification		
GHS product identifier Chemical name	:	SAFETY GREEN HM UV Mixture
CAS number Other means of identification Product type	:	Mixture CC10125236 solid
<u>Relevant identified uses of the subs</u> Product use	tance :	e or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	<b>POLYONE CORPORATION</b> 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	:	CC10125236

#### CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	10 - 25	13463-67-7
Chrome yellow (Lead chromate pigment)	10 - 25	1344-37-2
Poly[[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-	5 - 10	Not available.
diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-		
hexanediyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino]]		

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.
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 Inhalation Skin contact Ingestion <u>Over-exposure signs/symptoms</u>	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Eye contact Inhalation Skin contact Ingestion	::	No specific data. No specific data. No specific data. No specific data.
Indication of immediate medical atte	ntio	n and special treatment needed, if necessary
Notes to physician Specific treatments	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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)

# Section 5. Firefighting measures

#### Extinguishing media



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Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $CO_2$ . 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 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 containn	nent 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 licensed waste disposal contractor.
Large spill	:	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.
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# 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
Poly[[6-[(1,1,3,3-	
tetramethylbutyl)amino]-1,3,5-triazine-	
2,4-diyl][(2,2,6,6-tetramethyl-4-	
piperidinyl)imino]-1,6-	
hexanediyl[(2,2,6,6-tetramethyl-4-	
piperidinyl)imino]]	
Titanium dioxide	OSHA PEL 1989 (1989-03-01)
	PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust
	OSHA PEL (1993-06-30)
	PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust
	NIOSH REL (1994-06-01)
	ACGIH TLV (1996-05-18)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 10 mg/m3



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Chrome yellow (Lead chromate pigment)	
	PEL: Permissible Exposure Level 0.005 mg/m3
	NIOSH REL (2010-09-01) as Cr
	Time Weighted Average (TWA) 0.0002 mg/m3
	OSHA PEL 1989 (1989-03-01) as Pb
	PEL: Permissible Exposure Level 0.05 mg/m3
	ACGIH TLV (1995-05-23) as Pb
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 0.05 mg/m3
	ACGIH TLV (1994-09-01) as Cr
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 0.05 mg/m3
	OSHA PEL (1993-06-30) as Pb
	PEL: Permissible Exposure Level 0.05 mg/m3
	OSHA PEL Z2 (2006-11-27)
	Ceiling-A concentration that should not be exceeded at any time
	during any part of the working day. 0.001 mg/m3
	OSHA PEL 1989 (1989-03-01) Calculated as CrO3
	Ceiling-A concentration that should not be exceeded at any time
	during any part of the working day. 0.1 mg/m3
Appropriate engineering controls :	
	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
A grant measures .	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.
Exo/face protection	Safety evenear complying with an approved standard should be used
Eye/face protection :	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 bicker degree of protection, sofety closes with side shields.
	higher degree of protection: safety glasses with side-shields.
Skin protection	

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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.

# Section 9. Physical and chemical properties

#### Appearance

:	solid [Pellets.]
:	GREEN
:	Faint odor.
:	Not available.
:	Lower: Not available.
	Upper: Not available.
:	Not available.
:	Not available.
:	Not available.
:	Not available.
:	insoluble in water.
:	Not available.
:	Dynamic: Not available.

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**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	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition 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
Poly[[6-[(1,1,3,3-tetramethylbu	utyl)amino]-1,3,5-tri	azine-2,4-diyl][(2,2,6	,6-tetramethyl-4-pipe	eridinyl)imino]-1,6-
hexanediyl[(2,2,6,6-tetramethy	l-4-piperidinyl)imin	o]]		
	LD50 Oral	Rat	9,910 mg/kg	-
	LC50 Inhalation	Rat	0.112 Mg/l	4 h
<b>Remarks - Dermal:</b>	No applicable toxicity data			
Titanium dioxide				
Remarks - Oral:	No applicable toxic	No applicable toxicity data		
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Chrome yellow (Lead chromat	e pigment)			
Remarks - Oral:	No applicable toxicity data			
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
Remarks - Dermal:	No applicable toxicity data			
Conclusion/Summary	: Mixture.Not fully tested.			

Irritation/Corrosion



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Product/ingredient name	Result	Species	Score	Exposure	Observation
Poly[[6-[(1,1,3,3- tetramethylbutyl)amino]- 1,3,5-triazine-2,4- diyl][(2,2,6,6-tetramethyl-4- piperidinyl)imino]-1,6- hexanediyl[(2,2,6,6- tetramethyl-4-	Skin - Mild irritant	Rabbit			-
piperidinyl)imino]] Titanium dioxide	Skin - Mild irritant	Human		72 hrs	-
Conclusion/Summary Skin Eyes Respiratory <u>Sensitization</u>	: N	Iixture.Not fu Iixture.Not fu Iixture.Not fu	illy tested.		
Conclusion/Summary Skin Respiratory		Iixture.Not fu Iixture.Not fu			
<u>Mutagenicity</u> Conclusion/Summary	: N	lixture.Not fu	illy tested.		
<u>Carcinogenicity</u>	• -				
Conclusion/Summary <u>Classification</u>	: N	lixture.Not fu	Illy tested.		
Product/ingredient name	OSHA	IARC	NTP		
Titanium dioxide Chrome yellow (Lead chromate pigment)	+	2B 12A			
<b>Reproductive toxicity</b>					
Conclusion/Summary	: N	lixture.Not fu	ally tested.		
<u>Teratogenicity</u>					
Conclusion/Summary	: N	lixture.Not fu	ally tested.		
Specific target organ toxicit	y (single exposi	ıre)			

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Not available.

Specific target organ toxicity (repeated Not available.	<u>ted e</u>	exposure)
Aspiration hazard Not available.		
Information on likely routes of exposure	:	Not available.
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.
Symptoms related to the physical, ch	emi	cal and toxicological characteristics
<u> </u>		8
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Delayed and immediate effects as we	ll as	chronic effects from short and long-term exposure
Short term exposure		
Potential immediate effects		Not available.
Potential delayed effects	:	Not available.
i otentiai delayed enects	•	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effects		
Conclusion/Summary	:	Mixture.Not fully tested.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	-	No known significant effects or critical hazards.
Teratogenicity	-	No known significant effects or critical hazards.
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Developmental effects:No known sFertility effects:No known s

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	
	utyl)amino]-1,3,5-triazine-2,4-diyl][(2	,2,6,6-tetramethyl-4-piperi	dinyl)imino]-1,6-	
hexanediyl[(2,2,6,6-tetramethy				
Remarks - Acute - Fish:	No applicable toxicity data			
Remarks - Acute - Aquatic	No applicable toxicity data			
invertebrates.:				
Remarks - Acute - Aquatic	No applicable toxicity data			
plants:				
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data			
<b>Remarks - Chronic -</b>	No applicable toxicity data	No applicable toxicity data		
Aquatic invertebrates.:				
Titanium dioxide		1	1	
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h	
	water			
Remarks - Acute - Fish:	Acute			
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates.	48 h	
		Crustaceans		
Remarks - Acute - Aquatic	Acute			
invertebrates.:			40.1	
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates.	48 h	
	A	Daphnia		
Remarks - Acute - Aquatic	Acute			
invertebrates.:	Na appliachte torrigiter data			
Remarks - Acute - Aquatic	No applicable toxicity data			
plants:	Na appliachte tonicity data			
Remarks - Chronic - Fish:	No applicable toxicity data			
Remarks - Chronic -	No applicable toxicity data			
Aquatic invertebrates.:	a nigmont)			
Chrome yellow (Lead chromat	e pigment)			



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Remarks - Acute - Fish:	No applicable toxicity data		
Remarks - Acute - Aquatic	No applicable toxicity data		
invertebrates.:	No applicable toxicity data		
	Na annliachta taniaite data		
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
SAFETY GREEN HM UV			
Remarks - Acute - Aquatic	Chemicals are not readily available as they are bound within the polymer matrix.		
invertebrates.:			
Conclusion/Summary	: Chemicals are not readily available as they are bound within the		
J	polymer matrix.		
Persistence and degradability	<u> </u>		
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.		
Conclusion/Summary	: Chemicals are not readily available as they are bound within the polymer matrix.		

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
C.I. Pigment Yellow 34 This	-	3,600.00	high
substance is identified in the			
COLOUR INDEX by Colour Index			
Constitution Number, C.I. 77603.			

#### **Mobility in soil**

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

# Section 13. Disposal considerations

possible. Disposa should at all time	f waste should be avoided or minimized wherever al of this product, solutions and any by-products es comply with the requirements of environmental aste disposal legislation and any regional local
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authority requirements. Dispose of surplus and non-recyclable 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: Chrome yellow (Lead chromate pigment)
	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
	<b>United States - TSCA 5(a)2 - Final significant new use rules:</b> 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: Listed Chrome yellow (Lead chromate pigment)

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		United States - TSCA 6 - Proposed risk management: Not listed United States - TSCA 8(a) - Chemical risk rules: Not listed 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) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Phthalocyanine green Chrome yellow (Lead chromate pigment)
		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	:	Not listed

Substances		
DEA List I Chemicals (Precursor	:	Not listed
Chemicals)		

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

not applicable

DEA List II Chemicals (Essential :

#### SARA 311/312

**Chemicals**)

Classification

Not applicable.

:

Not listed

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

Name	%	Classification
Poly[[6-[(1,1,3,3-	5 - 10	AH



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tetramethylbutyl)amino]-1,3,5- triazine-2,4-diyl][(2,2,6,6- tetramethyl-4-piperidinyl)imino]- 1,6-hexanediyl[(2,2,6,6- tetramethyl-4-piperidinyl)imino]]		
Titanium dioxide	10 - 25	СН
Chrome yellow (Lead chromate pigment)	10 - 25	СН

#### **SARA 313**

	Product name	CAS number	%
Form R - Reporting	Chrome yellow (Lead	1344-37-2	10 - 25
requirements	chromate pigment)		
Supplier notification Chrome yellow (Lead		1344-37-2	10 - 25
	chromate pigment)		

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	: None of the components are listed.
New Jersey	: The following components are listed: Chrome yellow (Lead chromate pigment) Titanium dioxide Talc
Pennsylvania	: The following components are listed: Chrome yellow (Lead chromate pigment) Titanium dioxide
	Talc

### California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	Not determined.
International regulations		

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#### **Inventory list**

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe inventory	: Not determined.
Japan	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
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 HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

Date of printing	:	11/20/2018
Date of issue/Date of revision	:	05/21/2018
Date of previous issue	:	11/13/2009
Version	:	1.2
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 = Intermediate Bulk Container
		IMDG = International Maritime Dangerous Goods
		LogPow = logarithm of the octanol/water partition coefficient
		MARPOL = International Convention for the Prevention of Pollution From



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Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations Not available.

References

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.

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