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SAFETY DATA SHEET

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Section 1. Identification		
GHS product identifier Chemical name CAS number Other means of identification Product type	: : : : : : : : : : : : : : : : : : : :	BONE NBPP Mixture Mixture CC10275956 liquid
<u>Relevant identified uses of the subs</u> Product use	tance :	e or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	POLYONE CORPORATION ColorMatrix Group Inc. 680 North Rocky River Drive, Berea, Ohio, 44017-1628, USA
		+1 216 622 0100
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 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. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	:	SKIN SENSITISATION - Category 1

GHS label elements

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Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	May cause an allergic skin reaction.
Precautionary statements		
General	:	Not applicable.
Prevention	:	Wear protective gloves. Avoid breathing vapor. Contaminated work clothing must not be allowed out of the workplace.
Response	:	IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
Storage	:	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
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	:	CC10275956

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	25 - 50	13463-67-7
Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	10 - 25	41556-26-7
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	5 - 10	82919-37-7
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	5 - 10	Not available.



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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

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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	:	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion	::	No known significant effects or critical hazards. No known significant effects or critical hazards. May cause an allergic skin reaction. No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	Adverse symptoms may include the following: irritation
Ingestion	:	redness No specific data.
Indication of immediate medical atten	ntio	n 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

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 Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide





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	carbon monoxide
	nitrogen oxides
	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

Special protective equipment for fire-fighters

of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 ar	nd cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non- combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the
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same hazard as the spilled product. 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	:	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	:	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
Decanedioic acid, methyl 1,2,2,6,6-	
pentamethyl-4-piperidinyl ester	

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Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	
Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	
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
Appropriate engineering controls : Environmental exposure controls :	Good general ventilation should be sufficient to control worker exposure to airborne contaminants. 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 : Eye/face protection :	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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used
Skin 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 higher degree of protection: safety glasses with side-shields.
Hand protection :	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products

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	if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
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

Physical state	:	liquid [liquid]
Color	:	TAN
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- octanol/water	:	Not available.

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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	:	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		
Remarks - Oral:	No applicable toxic	city data				
Remarks - Inhalation:	No applicable toxic	city data				
Remarks - Dermal:	No applicable toxic	city data				
Remarks - Oral:	No applicable toxic	city data				
Remarks - Inhalation:	No applicable toxic	city data				
Remarks - Dermal:	No applicable toxic	city data				
Remarks - Oral:	No applicable toxic	No applicable toxicity data				
Remarks - Inhalation:	No applicable toxicity data					
Remarks - Dermal:	No applicable toxicity data					
Titanium dioxide	oxide					
Remarks - Oral:	No applicable toxicity data					
	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h		
	LD50 Dermal Rabbit > 5,000 mg/kg -					

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Conclusion/Summary

: Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium dioxide	Skin - Mild	Human		72 hrs	-
	irritant				
Conclusion/Summary					
Skin		lixture.Not fu			
Eyes		lixture.Not fu			
Respiratory	: N	lixture.Not fu	illy tested.		
Sensitization					
Conclusion/Summary					
Skin	: N	lixture.Not fu	illy tested.		
Respiratory		lixture.Not fu			
Mutagenicity					
Conclusion/Summary	: N	lixture.Not fu	ally tested.		
Carcinogenicity					
Conclusion/Summary	: N	lixture.Not fu	illy tested.		
<u>Classification</u>			2		
Product/ingredient	OSHA	IARC	NTP		
name					
Titanium dioxide		2B			
Reproductive toxicity					
Conclusion/Summary	: N	lixture.Not fu	illy tested.		
Teratogenicity					
Conclusion/Summary	: N	lixture.Not fu	ally tested.		
Specific target organ toxicity (single exposure) Not available.					
Specific target organ toxici Not available.	t <u>y (repeated exp</u>	<u>osure)</u>			
Aspiration hazard					
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Product/ingredient name		Result		
Miscellaneous Compounds Distillates, petroleum,		ASPIRATION HAZARD - Category 1		
hydrotreated middle	-			
Information on likely routes of exposure	: Not availabl	e.		
Potential acute health effects				
Eye contact Inhalation Skin contact Ingestion	No known sMay cause aNo known s	No known significant effects or critical hazards. No known significant effects or critical hazards. May cause an allergic skin reaction. No known significant effects or critical hazards.		
Symptoms related to the physical, c	hemical and toxico	ological characteristics		
Eye contact Inhalation Skin contact	irritation			
Ingestion Delayed and immediate effects as w	 redness No specific data. as well as chronic effects from short and long-term exposure			
Short term exposure				
Potential immediate effects Potential delayed effects	Not availablNot availabl			
Long term exposure				
Potential immediate effects Potential delayed effects	Not availabl Not availabl			
Potential chronic health effects				
Conclusion/Summary	: Mixture.Not	t fully tested.		
General		zed, a severe allergic reaction may occur when y exposed to very low levels.		
Carcinogenicity	: No known s	ignificant effects or critical hazards.		
Mutagenicity		ignificant effects or critical hazards.		
Teratogenicity Developmental effects		No known significant effects or critical hazards. No known significant effects or critical hazards.		



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Fertility effects

: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Inhalation (dusts and mists)	21.04 mg/l

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Decanedioic acid, methyl 1,2,2	,6,6-pentamethyl-4-piperic	linyl ester	
Remarks - Acute - Fish:	No applicable toxicity da	ta	
Remarks - Acute - Aquatic	No applicable toxicity da	ta	
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity dat	ta	
plants:			
Remarks - Chronic - Fish:	No applicable toxicity dat	ta	
Remarks - Chronic -	No applicable toxicity dat	ta	
Aquatic invertebrates.:			
Miscellaneous Compounds Dis	stillates, petroleum, hydrotr	eated middle	
Remarks - Acute - Fish:	No applicable toxicity dat	ta	
Remarks - Acute - Aquatic	No applicable toxicity dat	ta	
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity dat	ta	
plants:			
Remarks - Chronic - Fish:	No applicable toxicity dat	ta	
Remarks - Chronic -	No applicable toxicity dat	ta	
Aquatic invertebrates.:			
Bis (1,2,2,6,6-pentamethyl-4-p	iperidinyl) sebacate		
Remarks - Acute - Fish:	No applicable toxicity dat	ta	
Remarks - Acute - Aquatic	No applicable toxicity dat	ta	
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity dat	ta	
plants:			
Remarks - Chronic - Fish:	No applicable toxicity dat		
Remarks - Chronic -	No applicable toxicity dat	ta	
Aquatic invertebrates.:			



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Titanium dioxide						
	Acute LC5	0 > 1,000 Mg/l Marine	Fish - Fish	96 h		
	water					
Remarks - Acute - Fish:	Acute					
	Acute LC5	0 3 Mg/l Fresh water	Aquatic invertebrates.	48 h		
			Crustaceans			
Remarks - Acute - Aquatic	Acute					
invertebrates.:				-		
	Acute LC5	0 6.5 Mg/l Fresh water	Aquatic invertebrates.	48 h		
			Daphnia			
Remarks - Acute - Aquatic	Acute					
invertebrates.:						
Remarks - Acute - Aquatic	No applica	ble toxicity data				
plants:						
Remarks - Chronic - Fish:		ble toxicity data				
Remarks - Chronic -	No applica	ble toxicity data				
Aquatic invertebrates.:						
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Remarks - Acute - Aquatic			y cause long term adverse e	effects in the aquatic		
invertebrates.:	environme					
Conclusion/Summary	:		conment: May cause long te	erm adverse effects		
	in the aquatic environment.					
Develotonee and degradabilit						
Persistence and degradability	<u>y</u>					
Conclusion/Summary	:	Not available.				
Conclusion Summary		rtot uvunuoie.				
Conclusion/Summary	:	Dangerous for the envir	conment: May cause long te	erm adverse effects		
		in the aquatic environm				
		1				
Bioaccumulative potential						
Not available.						
<u>Mobility in soil</u>						
Soil/watan nantitian as feeri		Not available				
Soil/water partition coefficie	ent :	Not available.				
(KOC) Other adverse effects		No known significant a	ffacts or critical bazarda			
Other auverse effects	:	no known significant e	ffects or critical hazards.			
C	-1	J 4 ⁹				
Section 13. Dispos	ai consi	derations				

Disposal methods

The generation of waste should be avoided or minimized wherever

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possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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	:	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate), 9, PGIII, Marine Pollutant
International Water IMO/IMDG	:	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate), 9, PGIII, Marine Pollutant

Section 15. Regulatory information

U.S. Federal regulations	:	United States - TSCA 12(b) - Chemical export notification: None of the components are listed.
		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

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		 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 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(d) - Health and safety studies: Not listed United States - TSCA 8(d) - Health and safety studies: 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 Zinc ferrite brown spinel (C.I. Pigment Yellow 119) 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)	:	Not 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 Chemicals)	:	Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

: Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Classification	
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Decanedioic acid, methyl 1,2,2,6,6- pentamethyl-4-piperidinyl ester	5 - 10	АН
Miscellaneous Compounds	5 - 10	АН
Distillates, petroleum,		
hydrotreated middle		
Bis (1,2,2,6,6-pentamethyl-4-	10 - 25	AH
piperidinyl) sebacate		
Titanium dioxide	25 - 50	СН

SARA 313

	Product name	CAS number	%
Form R - Reporting	Zinc ferrite brown spinel	68187-51-9	1 - 3
requirements	(C.I. Pigment Yellow 119)		
	Aluminum oxide	1344-28-1	1 - 3
Supplier notification	Aluminum oxide	1344-28-1	1 - 3
	Zinc ferrite brown spinel	68187-51-9	1 - 3
	(C.I. Pigment Yellow 119)		

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:
		Zinc ferrite brown spinel (C.I. Pigment Yellow 119) Aluminum oxide Titanium dioxide
Pennsylvania	:	The following components are listed:
2		Aluminum oxide
		Zinc ferrite brown spinel (C.I. Pigment Yellow 119)
		Titanium dioxide
<u>California Prop. 65</u> WARNING: This product contains a c	chem	ical known to the State of California to cause cancer.

United States inventory (TSCA 8b)	:	All components are listed or exempted.	
Canada inventory	:	All components are listed or exempted.	

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International regulations

Inventory list

Australia	: All components are listed or exem	pted.
Canada	: All components are listed or exem	pted.
China	: All components are listed or exem	pted.
Europe inventory	: All components are listed or exem	pted.
Japan	: Not determined.	-
New Zealand	: All components are listed or exem	pted.
Philippines	: All components are listed or exem	pted.
Republic of Korea	: All components are listed or exem	pted.
Taiwan	: Not determined.	
Turkey	: Not determined.	
United States	: All components are listed or exem	pted.

Section 16. Other information

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



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

HIStory	
Date of printing	: 01/12/2018
Date of issue/Date of revision	: 01/11/2018
Date of previous issue	: 00/00/0000
Version	: 1.0
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

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BONE NBPP

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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 Not available.

References

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