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CHESTNUT UV & AO

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SAFETY DATA SHEET

CHESTNUT UV & AO

Section 1. Identification

CHESTNUT UV & AO **GHS** product identifier

Chemical name Mixture **CAS** number Mixture CC01053441 Other means of identification **Product type** liquid

Relevant identified uses of the substance or mixture and uses advised against

Industrial applications. Plastics. Product use

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

ACUTE TOXICITY (inhalation) - Category 4

SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown

toxicity: 41.2 %



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GHS label elements

Hazard pictograms

Signal word Warning

Hazard statements Harmful if inhaled.

Causes skin irritation.

May cause an allergic skin reaction.

Precautionary statements

General Not applicable.

Wear protective gloves. Use only outdoors or in a well-ventilated **Prevention**

area. Avoid breathing vapor. Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the

IF INHALED: Remove person to fresh air and keep comfortable for Response

breathing. Call a POISON CENTER or physician if you feel unwell.

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 CC01053441

CAS number/other identifiers

Ingredient name	%	CAS number
Miscellaneous Compounds Distillates, petroleum, hydrotreated	25 - 50	Not available.
middle		



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Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	5 - 10	41556-26-7
Titanium dioxide	3 - 5	13463-67-7
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	1 - 3	82919-37-7
Carbon black	1 - 3	1333-86-4

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

Eve contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower evelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. Remove victim to fresh air and keep at rest in a position comfortable Inhalation for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 necessary, call a poison center or physician. 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

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removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms,



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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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eve contact No known significant effects or critical hazards.

Inhalation Harmful if inhaled.

Skin contact Causes skin irritation. May cause an allergic skin reaction.

No known significant effects or critical hazards. Ingestion

Over-exposure signs/symptoms

Eye contact Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation No specific data.

Skin contact Adverse symptoms may include the following:

> irritation redness

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. If it is suspected that fumes are still present, the



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rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 CO₂.

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 carbon monoxide nitrogen oxides metal oxide/oxides

Special protective actions for firefighters

Special protective equipment for

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.

fire-fighters

Fire-fighters should wear appropriate protective equipment and selfcontained 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

No action shall be taken involving any personal risk or without For non-emergency personnel

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. For emergency responders

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,

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waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and 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 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. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.



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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
Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	None.
Carbon black	OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m3 OSHA PEL (1993-06-30) TWA 3.5 mg/m3 NIOSH REL (1994-06-01) TWA 3.5 mg/m3 TWA 0.1 mgPAH/m³ ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction
Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl ester	None.
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	None.

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker

exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or

statutory limits.

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,



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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. 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.

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: chemical splash goggles.

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. 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



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Physical state liquid [liquid] Color **BROWN** Odor Faint odor. **Odor threshold** Not available. Not available. pН **Melting point** Not available. **Boiling point** Not available. Flash point Not available. **Burning time** Not available. Not available. **Burning rate Evaporation rate** Not available. Flammability (solid, gas) Not available.

Lower and upper explosive Lower: Not available. **Upper:** Not available. (flammable) limits

Not available. Vapor pressure Vapor density Not available. **Relative density** Not available. **Solubility** Not available. Solubility in water insoluble in water.

Partition coefficient: n-

octanol/water

Auto-ignition temperature Not available. **Decomposition temperature** Not available. **SADT** Not available.

Dynamic: Not available. Viscosity Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity No specific test data related to reactivity available for this product or

its ingredients.

Not available.

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.

Under normal conditions of storage and use, hazardous decomposition **Hazardous decomposition**

products should not be produced. products

Section 11. Toxicological information



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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	No applicable toxicity data				
Remarks - Inhalation:	No applicable toxic	city data				
Remarks - Dermal:	No applicable toxic	city data				
Carbon black						
	LD50 Oral	Rat	15,400 mg/kg	=		
Remarks - Inhalation:	No applicable toxic	city data				
Remarks - Dermal:	No applicable toxic	No applicable toxicity data				
Titanium dioxide	n dioxide					
Remarks - Oral:	No applicable toxicity data					
	LC50 Inhalation	LC50 Inhalation Rat - Male 6.82 Mg/l 4 h				
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-		
Miscellaneous Compounds Dis	Miscellaneous Compounds Distillates, petroleum, hydrotreated middle					
Remarks - Oral:	No applicable toxic	No applicable toxicity data				
Remarks - Inhalation:	No applicable toxicity data					
Remarks - Dermal:	No applicable toxicity data					
Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate						
Remarks - Oral:	No applicable toxicity data					
Remarks - Inhalation:	No applicable toxicity data					
Remarks - Dermal:	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				

Conclusion/Summary

Skin: Mixture.Not fully tested.Eyes: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.

Sensitization

Conclusion/Summary

Skin: Mixture.Not fully tested.Respiratory: Mixture.Not fully tested.



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Mutagenicity

Conclusion/Summary : Mixture.Not fully tested.

Carcinogenicity

Conclusion/Summary : Mixture. Not fully tested.

Classification

Ciabbilication			
Product/ingredient	OSHA	IARC	NTP
name			
Carbon black		2B	
Titanium dioxide		2B	

Reproductive toxicity

Conclusion/Summary : Mixture.Not fully tested.

Teratogenicity

Conclusion/Summary : Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Product/ingredient name	Result
Miscellaneous Compounds Distillates, petroleum,	ASPIRATION HAZARD - Category 1
hydrotreated middle	

Information on likely routes of

exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : Harmful if inhaled.

Skin contact: Causes skin irritation. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics



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Eye contact : Adverse symptoms may include the following:

pain or irritation

watering redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:

irritation redness

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 : Not available.

Potential delayed effects : 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 : Once sensitized, a severe allergic reaction may occur when

subsequently exposed to very low levels.

CarcinogenicityNo known significant effects or critical hazards.MutagenicityNo known significant effects or critical hazards.TeratogenicityNo known significant effects or critical hazards.Developmental effectsNo known significant effects or critical hazards.Fertility effectsNo known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	62,496.9 mg/kg
Route	ATE value
Inhalation (dusts and mists)	4.286 mg/l



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Section 12. Ecological information

Toxicity

Remarks - Acute - Fish: No applicable toxicity data Acute EC50 37.563 Mg/l Fresh water Aquatic invertebrates. Acute EC50 37.563 Mg/l Fresh water Aquatic invertebrates. Acute EC50 37.563 Mg/l Fresh water Aquatic invertebrates. No applicable toxicity data Acute EC50 and a paphinia No applicable toxicity data Acute EC50 and a paphinia Fish - Fish Pish - Pish - Pish Pish - P	Product/ingredient name	Result	Species	Exposure		
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Remarks - Acute - Fish: Acute LC50 3 Mg/l Fresh water Aquatic invertebrates. 48 h Remarks - Acute - Aquatic invertebrates.: Acute Acute LC50 6.5 Mg/l Fresh water Aquatic invertebrates. 48 h Remarks - Acute - Aquatic invertebrates.: Acute Acute Acute Remarks - Acute - Aquatic invertebrates.: No applicable toxicity data Acute		Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h		
Remarks - Acute - Aquatic invertebrates. Acute LC50 3 Mg/l Fresh water Crustaceans Acute Acute Acute Acute Acute Aquatic invertebrates. Acute LC50 6.5 Mg/l Fresh water Daphnia Acute invertebrates. Acute Acute Acute Aquatic invertebrates. Daphnia Acute No applicable toxicity data		water				
Remarks - Acute - Aquatic invertebrates.: Acute LC50 6.5 Mg/l Fresh water Aquatic invertebrates. Daphnia Remarks - Acute - Aquatic invertebrates. Daphnia Remarks - Acute - Aquatic invertebrates. Daphnia No applicable toxicity data	Remarks - Acute - Fish:					
Remarks - Acute - Aquatic invertebrates.: Acute LC50 6.5 Mg/l Fresh water Aquatic invertebrates. Daphnia 48 h Remarks - Acute - Aquatic invertebrates.: Acute Acute Remarks - Acute - Aquatic invertebrates.: Acute Remarks - Acute - Aquatic plants: No applicable toxicity data		Acute LC50 3 Mg/l Fresh water	_	48 h		
invertebrates.: Acute LC50 6.5 Mg/l Fresh water Aquatic invertebrates. Daphnia Remarks - Acute - Aquatic invertebrates. Daphnia Acute Remarks - Acute - Aquatic invertebrates. Daphnia No applicable toxicity data			Crustaceans			
Acute LC50 6.5 Mg/l Fresh water Aquatic invertebrates. Remarks - Acute - Aquatic invertebrates.: Remarks - Acute - Aquatic invertebrates.: Remarks - Acute - Aquatic invertebrates. No applicable toxicity data		Acute				
Remarks - Acute - Aquatic invertebrates.: Remarks - Acute - Aquatic plants: No applicable toxicity data	invertebrates.:					
Remarks - Acute - Aquatic invertebrates.: Remarks - Acute - Aquatic plants: No applicable toxicity data		Acute LC50 6.5 Mg/l Fresh water		48 h		
invertebrates.: Remarks - Acute - Aquatic plants: No applicable toxicity data			Daphnia			
Remarks - Acute - Aquatic plants: No applicable toxicity data		Acute				
plants:						
	_	No applicable toxicity data				
Remarks - Chronic - Fish No applicable toxicity data						
11 7	Remarks - Chronic - Fish:	No applicable toxicity data				
**		No applicable toxicity data				
Aquatic invertebrates.:						
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	Miscellaneous Compounds Dis	stillates, petroleum, hydrotreated midd	lle			



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Remarks - Acute - Fish:	No applicable toxicity data
Remarks - Acute - Aquatic	No applicable toxicity data
invertebrates.:	
Remarks - Acute - Aquatic	No applicable toxicity data
plants:	
Remarks - Chronic - Fish:	No applicable toxicity data
Remarks - Chronic -	No applicable toxicity data
Aquatic invertebrates.:	
Bis (1,2,2,6,6-pentamethyl-4-p	iperidinyl) sebacate
Remarks - Acute - Fish:	No applicable toxicity data
Remarks - Acute - Aquatic	No applicable toxicity data
invertebrates.:	
Remarks - Acute - Aquatic	No applicable toxicity data
plants:	
Remarks - Chronic - Fish:	No applicable toxicity data
Remarks - Chronic -	No applicable toxicity data
Aquatic invertebrates.:	
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Remarks - Acute - Aquatic	Dangerous for the environment: May cause long term adverse effects in the aquatic
invertebrates.:	environment.

Conclusion/Summary

Dangerous for the environment: May cause long term adverse effects in the aquatic environment.

Persistence and degradability

Conclusion/Summary : Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient

Not available.

(KOC)

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : 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 environmental

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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

United States - TSCA 5(e) - Substances consent order: Not listed **United States - TSCA 6 - Final risk management:** Not listed



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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(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 water act (CWA) section 311 -

Hazardous substances: Not 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)

Clean Air Act Section 602 Class I

Substances

Clean Air Act Section 602 Class II

Substances

DEA List I Chemicals (Precursor

Chemicals)

Chemicals)

Listed

Not listed

Not listed

Not listed

DEA List II Chemicals (Essential Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification ACUTE TOXICITY - inhalation - Category 4

> SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1

Composition/information on ingredients



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Name	%	Classification
Titanium dioxide	>= 3 - <= 5	CARCINOGENICITY - Category 2
Bis (1,2,2,6,6-pentamethyl-	>= 5 - <= 10	SKIN SENSITIZATION - Category 1
4-piperidinyl) sebacate		
Miscellaneous Compounds	>= 25 - <= 50	Immediate (acute) health hazard
Distillates, petroleum,		
hydrotreated middle		
Carbon black	>= 1 - <= 3	CARCINOGENICITY - Category 2
Decanedioic acid, methyl	>= 1 - <= 3	SKIN SENSITIZATION - Category 1
1,2,2,6,6-pentamethyl-4-		
piperidinyl ester		

SARA 313

	Product name	CAS number	%
Form R - Reporting	Zinc ferrite brown spinel	68187-51-9	10 - 25
requirements	(C.I. Pigment Yellow 119)		
Supplier notification	Zinc ferrite brown spinel	68187-51-9	10 - 25
	(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)

Iron oxide Titanium dioxide Carbon black

Pennsylvania : The following components are listed:

Zinc ferrite brown spinel (C.I. Pigment Yellow 119)

Iron oxide

Titanium dioxide

Carbon black

California Prop. 65



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WARNING: This product can expose you to chemicals including Carbon black, Titanium dioxide, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Carbon black	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 : Not determined.

Canada: All components are listed or exempted.China: All components are listed or exempted.Europe inventory: All components are listed or exempted.

JapanNot determined.New ZealandNot determined.PhilippinesNot determined.Republic of KoreaNot determined.TaiwanNot determined.TurkeyNot determined.

United States : All components are listed or exempted.

Section 16. Other information

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

Health	/	2
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

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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 = 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 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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