## NOBLE BROWN TERULAN

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# SAFETY DATA SHEET

### NOBLE BROWN TERULAN

Section 1. Identification		
GHS product identifier Chemical name CAS number Other means of identification Product type	:	NOBLE BROWN TERULAN Mixture Mixture CC10274208 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	:	<b>POLYONE CORPORATION</b> 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 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (kidneys, liver) - Category 2

#### **GHS label elements**

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Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. (kidneys, liver)
Precautionary statements		
General	:	Not applicable.
Prevention	:	Wear protective gloves. Do not breathe vapor. Contaminated work clothing must not be allowed out of the workplace.
Response	:	Get medical attention 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	:	CC10274208

CAS number/other identifiers

Ingredient name	%	CAS number
Carbon black	10 - 25	1333-86-4
Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	0 - 5	41556-26-7
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-	0 - 5	25973-55-1



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Decanedioic acid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyl	0 - 1	82919-37-7	
ester			

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 following exposure or if feeling unwell.
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 following exposure or if feeling unwell. 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 following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in

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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		
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	May cause an allergic skin reaction.
Ingestion	:	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
		redness
Ingestion	:	No specific data.
Indication of immediate medical att	entic	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	:	In a fire or if heated, a pressure increase will occur and the container

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chemical Hazardous thermal decomposition products	:	may burst. Decomposition products may include the following materials: carbon dioxide 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 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. 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 Methods and materials for containme	: ent a	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).
Methous and materials for containing		
Small spill Large 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. 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
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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 breathe vapor or mist. Do not ingest. 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**

Exposure limits	
OSHA PEL 1989 (1989-03-01)	
PEL: Permissible Exposure Level 3.5 mg/m3	
OSHA PEL (1993-06-30)	
PEL: Permissible Exposure Level 3.5 mg/m3	
	OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level 3.5 mg/m3 OSHA PEL (1993-06-30)



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	NIOSH REL (1994-06-01) Time Weighted Average (TWA) 3.5 mg/m3
	Time Weighted Average (TWA) 3.5 mg/m5
	ACGIH TLV (2010-12-06)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 3 mg/m3 Form: Inhalable fraction
Phenol, 2-(2H-benzotriazol-2-yl)-4,6- bis(1,1-dimethylpropyl)-	
Bis (1,2,2,6,6-pentamethyl-4-piperidinyl) sebacate	
Decanedioic acid, methyl 1,2,2,6,6- pentamethyl-4-piperidinyl ester	
Appropriate engineering controls :	If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local 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, 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: 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. 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	:	BROWN
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.



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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	:	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 tox	icity data		
Remarks - Inhalation:	No applicable tox	icity data		
Remarks - Dermal:	No applicable tox	ticity data		
Remarks - Oral:	No applicable tox	icity data		
Remarks - Inhalation:	No applicable tox	icity data		
Remarks - Dermal:	No applicable tox	icity data		
Remarks - Oral:	No applicable tox	icity data		
Remarks - Inhalation:	No applicable tox	icity data		
Remarks - Dermal:	No applicable tox	icity data		
Carbon black				



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	LD50 Oral	Rat		15,400 mg/kg	1
<b>Remarks - Inhalation:</b>		e toxicity data		15,400 mg/kg	-
Remarks - Dermal:	<u> </u>	e toxicity data			
Conclusion/Summary		Mixture.Not fu	Illy tested.		
Concrusion, Summary			ing testear		
Irritation/Corrosion					
Conclusion/Summary					
Skin	:	Mixture.Not fu	Illy tested.		
Eyes		Mixture.Not fu			
Respiratory	:	Mixture.Not fu	Illy tested.		
<b>Sensitization</b>					
Conclusion/Summary					
Skin		Mixture.Not fu			
Respiratory	:	Mixture.Not fu	Illy tested.		
<b>Mutagenicity</b>					
Conclusion/Summary	:	Mixture.Not fu	Illy tested.		
<b>Carcinogenicity</b>					
Conclusion/Summary <u>Classification</u>	:	Mixture.Not fu	Illy tested.		
Product/ingredient	OSHA	IARC	NTP		
name	0.0				
Carbon black		2B			
<b><u>Reproductive toxicity</u></b>					
Conclusion/Summary	:	Mixture.Not fu	Illy tested.		
<u>Teratogenicity</u>					
Conclusion/Summary	:	Mixture.Not fu	Illy tested.		
Specific target organ toxicity Not available.	y (single expos	<u>sure)</u>			
Specific target organ toxicity	v (reneated ev	nosure)			
Product/ingredient name	Category		Route of exp	oosure Target o	rgans

Product/ingredient name	Category	Route of exposure	Target organs
Phenol, 2-(2H-benzotriazol-	Category 2	OralOral	kidneys
2-yl)-4,6-bis(1,1-			liver



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1	
dimethylpropyl)-	
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	: May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Symptoms related to the physical,	chemical and toxicological characteristics
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following:
	irritation
	redness
Ingestion	: No specific data.
Delayed and immediate effects as y	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	
Long term exposure	
Potential immediate effects	: Not available.
Potential immediate effects Potential delayed effects	<ul><li>Not available.</li><li>Not available.</li></ul>
Potential delayed effects	
Potential delayed effects <u>Potential chronic health effects</u>	<ul> <li>Not available.</li> <li>Mixture.Not fully tested.</li> <li>May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when</li> </ul>
Potential delayed effects <u>Potential chronic health effects</u> Conclusion/Summary General	<ul> <li>Not available.</li> <li>Mixture.Not fully tested.</li> <li>May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.</li> </ul>
Potential delayed effects <u>Potential chronic health effects</u> Conclusion/Summary	<ul> <li>Not available.</li> <li>Mixture.Not fully tested.</li> <li>May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when</li> </ul>

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Teratogenicity:No known significant effects or critical hazards.Developmental effects:No known significant effects or critical hazards.Fertility effects:No known significant effects or critical hazards.

Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	125,021.9 mg/kg

# Section 12. Ecological information

**Toxicity** 

Product/ingredient name	Result	Species	Exposure
Decanedioic acid, methyl 1,2,2	2,6,6-pentamethyl-4-piperidinyl ester		
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		
<b>Remarks - Chronic -</b>	No applicable toxicity data		
Aquatic invertebrates.:			
Bis (1,2,2,6,6-pentamethyl-4-p	- · ·		
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		
<b>Remarks - Chronic -</b>	No applicable toxicity data		
Aquatic invertebrates.:			
Phenol, 2-(2H-benzotriazol-2-y	yl)-4,6-bis(1,1-dimethylpropyl)-		
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		



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<b>Remarks - Chronic -</b>	No applica	ble toxicity data		
Aquatic invertebrates.:				
Carbon black				
Remarks - Acute - Fish:		ble toxicity data		-
	Acute EC5	0 37.563 Mg/l Fresh	Aquatic invertebrates.	48 h
	water		Daphnia	
Remarks - Acute - Aquatic	Acute			
invertebrates.:				
Remarks - Acute - Aquatic	No applica	ble toxicity data		
plants:		•		
Remarks - Chronic - Fish:	No applicat	ble toxicity data		
Remarks - Chronic -	No applica	ble toxicity data		
Aquatic invertebrates.:		•		
NOBLE BROWN TERULAN				
Remarks - Acute - Aquatic	Dangerous	for the environment: Ma	ay cause long term adverse e	ffects in the aquatic
invertebrates.:	environme			1
Conclusion/Summary	:	Dangerous for the envi	ronment: May cause long te	rm adverse effects
·		in the aquatic environn		
		-		
Persistence and degradability				
Conclusion/Summary	:	Not available.		
-				
Conclusion/Summary	:	Dangerous for the envi	ronment: May cause long te	rm adverse effects
		in the aquatic environn	nent.	
<b>Bioaccumulative potential</b>				
Not available.				
<u>Mobility in soil</u>				
C - 1 / 4 4 * 4 * 00* *	4	Net and lable		
Soil/water partition coefficies	nt :	Not available.		
(KOC) Other adverse effects		No known significant	facto or oritical haranda	
Other adverse effects	:	No known significant e	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 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. 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
		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) - 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: Not listed 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
		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** : Not listed

:

<b>DEA List II Chemicals (Essential</b>	:	Not listed
Chemicals)		

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

not applicable

SARA 311/312

**Chemicals**)

Classification

Immediate (acute) health hazard Delayed (chronic) health hazard

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

Name	%	Classification
Decanedioic acid, methyl 1,2,2,6,6-	0 - 1	AH
pentamethyl-4-piperidinyl ester		
Bis (1,2,2,6,6-pentamethyl-4-	0 - 5	AH
piperidinyl) sebacate		



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Phenol, 2-(2H-benzotriazol-2-yl)-	0 - 5	СН
4,6-bis(1,1-dimethylpropyl)-		
Carbon black	10 - 25	СН
<u>SARA 313</u>		
Not applicable.		
State regulations		
Massachusetts	: None of the components are liste	
New York	: None of the components are liste	
New Jersey	: The following components are li	isted:
	Carbon black	
	Iron oxide	
Pennsylvania	: The following components are li	isted:
	Iron oxide	
	Carbon black	
California Prop. 65 WARNING: This product contains a c United States inventory (TSCA 8b)	chemical known to the State of Californ : All components are listed or exe	
Canada inventory	: All components are listed or exe	empted.
International regulations		
Inventory list		
Australia	: Not determined.	
Canada	All components are listed or exe	empted.
China	: All components are listed or ex-	
Europe inventory	: All components are listed or ex-	
Japan	: All components are listed or ex-	
New Zealand	: Not determined.	•
Philippines	: All components are listed or ex-	empted.
Republic of Korea	: All components are listed or exe	
Taiwan	: Not determined.	-
Turkey	: Not determined.	
United States	: All components are listed or exe	empted.

# Section 16. Other information

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### 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 HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

<u>Instory</u>		
Date of printing	:	12/20/2017
Date of issue/Date of revision	:	12/06/2017
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
		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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