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## SAFETY DATA SHEET

XV3878G Black 2

Section 1. Identification		
GHS product identifier	:	XV3878G Black 2
Chemical name	:	Mixture
CAS number	:	Mixture
Other means of identification	:	F3878G0A2002
Product type	:	solid
<u>Relevant identified uses of the sub</u> Product use	stance :	or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	POLYONE CORPORATION
		33587 Walker Road, Avon Lake, OH 44012
		1 (440) 930-1000 or 1 (866) POLYONE
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

### Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions.After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.

#### GHS label elements

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Signal word	:	No signal word.
Hazard statements	:	No known significant effects or critical hazards.
Precautionary statements		
General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.

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	:	F3878G0A2002

#### CAS number/other identifiers

Ingredient name	%	CAS number
Diundecyl phthalate	10 - 25	3648-20-2
Di(2-ethylhexyl)phthalate	10 - 25	117-81-7
Carbon black	0.3 - 1	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



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#### **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. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

#### Potential acute health effects Eye contact No known significant effects or critical hazards. : No known significant effects or critical hazards. Inhalation : Skin contact No known significant effects or critical hazards. : Ingestion No known significant effects or critical hazards. : **Over-exposure signs/symptoms** Eye contact No specific data. : Inhalation No specific data. : **Skin contact** No specific data. : Ingestion No specific data. : Indication of immediate medical attention and special treatment needed, if necessary Notes to physician Treat symptomatically. Contact poison treatment specialist : immediately if large quantities have been ingested or inhaled. No specific treatment. Specific treatments : **Protection of first-aiders** No action shall be taken involving any personal risk or without : suitable training.

See toxicological information (Section 11)

### **Section 5. Firefighting measures**

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#### **Extinguishing media**

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

### Section 6. Accidental release measures

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

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containm	ent a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material
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and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Section 7. Handling and storage

#### Precautions for safe handling

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

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name	Exposure limits
Carbon black	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
	NIOSH REL (1994-06-01)
	Time Weighted Average (TWA) 3.5 mg/m3
	Time Weighted Average (TWA)
	ACGIH TLV (2010-12-06)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 3 mg/m3 Form: Inhalable fraction

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Diundecyl phthalate		
Di(2-ethylhexyl)phthalate		OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level 5 mg/m3 Short-term exposure limit (STEL). A limit value beyond which there should be no exposure and which refers to a period of fifteen minutes, unless otherwise stated. 10 mg/m3 OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 5 mg/m3 NIOSH REL (1994-06-01) Time Weighted Average (TWA) 5 mg/m3 Short-term exposure limit (STEL). A limit value beyond which there should be no exposure and which refers to a period of fifteen minutes, unless otherwise stated. 10 mg/m3 ACGIH TLV (1999-03-01) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 5 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. 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 when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved

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		standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based
		on the task being performed and the risks involved and should be
		approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures
		should be selected based on the task being performed and the risks
		involved and should be approved by a specialist before handling this
		product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

#### Appearance

Physical state	:	solid [Pellets.]
Color	:	Not determined
Odor	:	Not available.
Odor threshold	:	Not available.
pH	:	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.
(flammable) limits Vapor pressure	:	<b>Upper:</b> Not available. Not available.
. ,	:	
Vapor pressure	:	Not available.
Vapor pressure Vapor density	::	Not available. Not available.
Vapor pressure Vapor density Relative density	:	Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility	:	Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water	: : : :	Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n-	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature	: : : : : : : : : : : : : : : : : : : :	Not available. Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature SADT		Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Vapor pressure Vapor density Relative density Solubility Solubility in water Partition coefficient: n- octanol/water Auto-ignition temperature Decomposition temperature		Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.



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### 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	:	Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
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	
Carbon black	·				
	LD50 Oral	Rat	15,400 mg/kg	-	
<b>Remarks - Inhalation:</b>	No applicable tox	icity data			
<b>Remarks - Dermal:</b>	No applicable tox	icity data			
Diundecyl phthalate					
Remarks - Oral:	No applicable tox	No applicable toxicity data			
<b>Remarks - Inhalation:</b>	No applicable tox	No applicable toxicity data			
Remarks - Dermal:	No applicable toxicity data				
Di(2-ethylhexyl)phthalate					
	LD50 Oral	Rat	30,000 mg/kg	-	
<b>Remarks - Inhalation:</b>	No applicable tox	icity data			
	LD50 Dermal	Rabbit	25,000 mg/kg	-	
Conclusion/Summary	• Mixt	ure.Not fully teste	d.		

Conclusion/Summary

Mixture.Not fully tested.

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Diundecyl phthalate	Eyes - Mild irritant	Rabbit			-



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Di(2-ethylhexyl)phthalate	Eyes - Mild	Rabbit		24 hrs	-
	irritant Skin - Mild	D-114		241	
	irritant	Rabbit		24 hrs	-
	Eyes - Mild	Rabbit			-
	irritant	Rabbit			
Conclusion/Summary					
Skin		lixture.Not full			
Eyes		lixture.Not full			
Respiratory	: M	lixture.Not full	y tested.		
<u>Sensitization</u>					
Conclusion/Summary					
Skin	: M	lixture.Not full	y tested.		
Respiratory		lixture.Not full			
<b>Mutagenicity</b>					
Conclusion/Summary	: M	lixture.Not full	y tested.		
<b>Carcinogenicity</b>					
Conclusion/Summary Classification	: M	lixture.Not full	y tested.		
Product/ingredient	OSHA	IARC	NTP		
name					
Carbon black		2B			
Di(2-ethylhexyl)phthalate		2B			
<b>Reproductive toxicity</b>					
Conclusion/Summary	: M	lixture.Not full	y tested.		
<b>Teratogenicity</b>					
Conclusion/Summary	: M	lixture.Not full	y tested.		
Specific target organ toxicity Not available.	y (single exposu	<u>re)</u>			
<b>Specific target organ toxicit</b> Not available.	y (repeated exp	<u>osure)</u>			
Aspiration hazard					

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#### Version Number 1.4 Page 10 of 17 Print Date 05/02/2018 Revision Date 05/01/2018 Not available. Not available. Information on likely routes of exposure Potential acute health effects Eve contact No known significant effects or critical hazards. : Inhalation No known significant effects or critical hazards. : Skin contact No known significant effects or critical hazards. : No known significant effects or critical hazards. Ingestion : Symptoms related to the physical, chemical and toxicological characteristics No specific data. Eye contact : No specific data. Inhalation : Skin contact No specific data. : No specific data. Ingestion : 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. • Not available. **Potential delayed effects** : Potential chronic health effects **Conclusion/Summary** Mixture.Not fully tested. : General No known significant effects or critical hazards. : Carcinogenicity No known significant effects or critical hazards. : No known significant effects or critical hazards. Mutagenicity : Teratogenicity No known significant effects or critical hazards. : No known significant effects or critical hazards. **Developmental effects** : **Fertility effects** No known significant effects or critical hazards. : Numerical measures of toxicity Acute toxicity estimates

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Not available.

### Section 12. Ecological information

**Toxicity** 

Product/ingredient name	Result	Species	Exposure
Carbon black			
Remarks - Acute - Fish:	No applicable toxicity data		
	Acute EC50 37.563 Mg/l Fresh	Aquatic invertebrates.	48 h
	water	Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		
Remarks - Chronic -	No applicable toxicity data		
Aquatic invertebrates.:			
Diundecyl phthalate			
Remarks - Acute - Fish:	No applicable toxicity data		
	Acute EC50 12 Mg/l Fresh water	Aquatic invertebrates.	48 h
		Daphnia	
Remarks - Acute - Aquatic	Acute		
invertebrates.:			
Remarks - Acute - Aquatic	No applicable toxicity data		
plants:			
Remarks - Chronic - Fish:	No applicable toxicity data		-
	Chronic NOEC 0.000059 Mg/l	Aquatic invertebrates.	21 d
	Fresh water	Daphnia	
<b>Remarks - Chronic -</b>	Chronic		
Aquatic invertebrates.:			
Di(2-ethylhexyl)phthalate	1	1	1
	Acute LC50 1,106.2 Mg/l Fresh	Fish - Fish	96 h
	water		
Remarks - Acute - Fish:	Acute	•	•
	Acute EC50 0.000133 Mg/l Fresh	Aquatic invertebrates.	48 h
	water	Daphnia	
<b>Remarks - Acute - Aquatic</b>	Acute		
invertebrates.:			
	Acute EC50 31 Mg/l Marine water	Aquatic plants - Algae	96 h



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Remarks - Acute - Aquatic	Acute		
plants:			
	Acute NOEC 0.076 Mg/l Marine	Aquatic plants - Algae	72 h
	water		
Remarks - Acute - Aquatic	Chronic		
plants:			
	Chronic NOEC 0.012 Mg/l Fresh	Fish - Fish	28 d
	water		
Remarks - Chronic - Fish:	Chronic	•	
	Chronic NOEC 0.109 Mg/l Fresh	Aquatic invertebrates.	21 d
	water	Crustaceans	
Remarks - Chronic -	Chronic		·
Aquatic invertebrates.:			
<u></u>	Chronic NOEC 0.077 Mg/l Fresh	Aquatic invertebrates.	21 d
	water	Daphnia	
Remarks - Chronic -	Chronic		
Aquatic invertebrates.:			
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Remarks - Acute - Aquatic	Chemicals are not readily available a	s they are bound within the	polymer matrix.
invertebrates.:			
Conclusion/Summary	: Chemicals are not readil polymer matrix.	y available as they are bou	nd within the
Persistence and degradability	<u>Y</u>		
Conclusion/Summary	: Chemicals are not readil polymer matrix.	y available as they are bou	nd within the
Conclusion/Summary	: Chemicals are not readil polymer matrix.	y available as they are bou	nd within the

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
1,2-Benzenedicarboxylic acid, 1,2-	7.6	1,380.00	high
bis(2-ethylhexyl) ester			

#### Mobility in soil

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

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### Section 13. Disposal considerations

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#### **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 products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

#### United States - RCRA Toxic hazardous waste "U" List: Listed

Ingredient	CAS #	Status	<b>Reference number</b>
Di(2-ethylhexyl)phthalate	117-81-7	Listed	

### **Section 14. Transport information**

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Consult mode specific transport rules
International Water IMO/IMDG	:	Consult mode specific transport rules

### Section 15. Regulatory information

U.S. Federal regulations		<b>Inited States - TSCA 12(b) - Chemical export notification:</b> None f the components are listed.
	U	nited States - TSCA 4(a) - Final Test Rules: Not listed
	U	nited States - TSCA 4(a) - ITC Priority list: Not listed
	U	nited States - TSCA 4(a) - Proposed test rules: Not listed
	U	nited States - TSCA 4(f) - Priority risk review: Not listed
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	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 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): Listed Poly(oxy-1,2-ethanediyl), .alpha(4- nonylphenyl)omegahydroxy-,branched
	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 Vinyl chloride monomer Phenol Zinc chloride (ZnCl2) Di(2-ethylhexyl)phthalate
	United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed
	<b>United States - Department of commerce - Precursor chemical:</b> Not listed
:	Listed
:	Not listed
:	Not listed

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

**DEA List II Chemicals (Essential** : Not listed **Chemicals**)

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) Clean Air Act Section 602 Class I

Clean Air Act Section 602 Class II

Substances

Substances

US. EPA CERCLA Hazardous Substances (40 CFR 302)



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Chemical Name	CAS-No.	RQ for component
Di(2-ethylhexyl)phthalate	117-81-7	100 lb(s) 45.4 kg

#### SARA 311/312

Classification

Not applicable.

:

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

Name	%	Classification
Carbon black	0.3 - 1	СН
Diundecyl phthalate	10 - 25	AH
Di(2-ethylhexyl)phthalate	10 - 25	AH, CH

#### SARA 313

	Product name	CAS number	%
Form R - Reporting	Di(2-ethylhexyl)phthalate	117-81-7	10 - 25
requirements			
Supplier notification	Di(2-ethylhexyl)phthalate	117-81-7	10 - 25

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

State regulations	
Massachusetts	: None of the components are listed.
New York	: The following components are listed: Di(2-ethylhexyl)phthalate
New Jersey	: The following components are listed: Ethene, chloro-, homopolymer Di(2-ethylhexyl)phthalate Calcium carbonate Carbon black
Pennsylvania	: The following components are listed: Carbon black
	Calcium carbonate
	Di(2-ethylhexyl)phthalate
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#### California Prop. 65

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

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	At least one component is not listed in DSL but all such components are listed in NDSL.
International regulations		
Inventory list		
Australia	:	Not determined.
Canada	:	At least one component is not listed in DSL but all such components are listed in NDSL.
China	:	Not determined.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	Not determined.
Philippines	:	Not determined.
Republic of Korea	:	Not determined.
Taiwan	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

### **Section 16. Other information**

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

Health	/	0
Flammability		0
Physical hazards		0

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

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. <u>History</u>

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Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = 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.

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