DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 1 of 16 Print Date 04/23/2018

SAFETY DATA SHEET

DX9 BLACK/WPP351 MP-552

Section 1. Identification		
GHS product identifier Chemical name	:	DX9 BLACK/WPP351 MP-552 Mixture
CAS number Other means of identification Product type	:	Mixture CC10248400 solid
<u>Relevant identified uses of the subs</u> Product use	tance :	e or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	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. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.
GHS label elements		
Signal word	:	No signal word.
		1/16

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 2 of 16 Print Date 04/23/2018

Hazard statements

No known significant effects or critical hazards.

Precautionary statements

General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients

:

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10248400

CAS number/other identifiers

%	CAS number	
5 - 10	1333-86-4	
1 - 3	52829-07-9	
-		
	5 - 10	5 - 10 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

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.



DX9 BLACK/WPP351 MP-552

Version Number 1.2	Page 3 of 16
Revision Date 01/29/2018	Print Date 04/23/2018

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

Most important symptoms/effects, acute and delayed

Potential acute health effects	
Eye contact Inhalation Skin contact Ingestion <u>Over-exposure signs/symptoms</u>	 No known significant effects or critical hazards.
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate medical a	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.

See toxicological information (Section 11)

Section 5. Firefighting measures



DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 4 of 16 Print Date 04/23/2018

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 decomposition products	:	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. 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 containme	nt a	nd cleaning up
Small spill	:	Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a

olyOne

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 5 of 16 Print Date 04/23/2018

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
Decanedioic acid, bis(2,2,6,6-	
tetramethyl-4-piperidinyl) ester	
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

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018

Г



Page 6 of 16 Print Date 04/23/2018

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 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

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018

<u>PolyOne</u>

Page 7 of 16 Print Date 04/23/2018

Appearance

Physical state	:	solid [Pellets.]
Color	:	BLACK
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	insoluble in water.
Partition coefficient: n- octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature		Not available.
SADT		Not available.
Viscosity		Dynamic: Not available.
, ibeobiej	•	Kinematic: Not available.
		isinchiane. 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.



DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 8 of 16 Print Date 04/23/2018

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 toxicity data					
Remarks - Inhalation:	No applicable	No applicable toxicity data				
Remarks - Dermal:	No applicable	toxicity data				
Carbon black						
	LD50 Oral	Rat	15,400 mg	/kg -		
Remarks - Inhalation:	No applicable	toxicity data				
Remarks - Dermal:	No applicable	toxicity data				
Conclusion/Summary	: N	lixture.Not fully t	ested.			
Irritation/Corrosion						
Conclusion/Summary						
Skin		lixture.Not fully t				
Eyes		lixture.Not fully t				
Respiratory	: N	lixture.Not fully t	ested.			
<u>Sensitization</u>						
Conclusion/Summary						
Skin	: N	lixture.Not fully t	ested.			
Respiratory	: N	lixture.Not fully t	ested.			
Mutagenicity						
Conclusion/Summary	: N	lixture.Not fully t	ested.			
Carcinogenicity						
Conclusion/Summary	: N	lixture.Not fully t	ested.			
<u>Classification</u>		2				
Product/ingredient	OSHA	IARC	NTP			
name						
Carbon black		2B				

<u>PolyOne</u>

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 9 of 16 Print Date 04/23/2018

<u>Reproductive toxicity</u>					
Conclusion/Summary	:	Mixture.Not fully tested.			
<u>Teratogenicity</u>					
Conclusion/Summary	:	Mixture.Not fully tested.			
Specific target organ toxicity (sing Not available.	le exp	<u>osure)</u>			
Specific target organ toxicity (rependent) Not available.	ated o	exposure)			
Aspiration hazard Not available.					
Information on likely routes of exposure	:	Not available.			
Potential acute health effects					
Eye contact Inhalation Skin contact Ingestion	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.			
Symptoms related to the physical, chemical and toxicological characteristics					
Eye contact Inhalation Skin contact Ingestion	: : :	No specific data. No specific data. No specific data. No specific data.			
Delayed and immediate effects as w	<u>ell as</u>	chronic effects from short and long-term exposure			
Short term exposure					
Potential immediate effects Potential delayed effects	:	Not available. Not available.			
Long term exposure					
Potential immediate effects Potential delayed effects	:	Not available. Not available.			



DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 10 of 16 Print Date 04/23/2018

Potential chronic health effects

Conclusion/Summary	:	Mixture.Not fully tested.
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
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

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure		
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester					
Remarks - Acute - Fish:	No applicable toxicity data				
	Acute EC50 8.6 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h		
Remarks - Acute - Aquatic invertebrates.:	Acute				
Remarks - Acute - Aquatic plants:	No applicable toxicity data				
Remarks - Chronic - Fish:	No applicable toxicity data				
Remarks - Chronic -	No applicable toxicity data				
Aquatic invertebrates.:					
Carbon black					
Remarks - Acute - Fish:	No applicable toxicity data				
	Acute EC50 37.563 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h		
Remarks - Acute - Aquatic invertebrates.:	Acute				
Remarks - Acute - Aquatic plants:	No applicable toxicity data				
Remarks - Chronic - Fish:	No applicable toxicity data				



DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018

Page 11 of 16 Print Date 04/23/2018

Remarks - Chronic - N Aquatic invertebrates.:	
DX9 BLACK/WPP351 MP-552	
Remarks - Acute - Aquatic 0	Chemicals are not readily available as they are bound within the polymer matrix.
invertebrates.:	
Conclusion/Summary	: Chemicals are not readily available as they are bound within the
	polymer matrix.
Persistence and degradability Conclusion/Summary Conclusion/Summary	 Chemicals are not readily available as they are bound within the polymer matrix. Chemicals are not readily available as they are bound within the polymer matrix.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Decanedioic acid, 1,10-bis(2,2,6,6-	0.35	-	low
tetramethyl-4-piperidinyl) ester			

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 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.

11/16

P<u>olyOne</u>

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 12 of 16 Print Date 04/23/2018

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

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.
International Water IMO/IMDG	:	Not classified as dangerous goods under transport regulations.

Section 15. Regulatory information

U.S. Federal regulations	:	United States - TSCA 12(b) - Chemical export notification: 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
		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 Nickel antimony yellow rutile (C.I. Pigment



DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 13 of 16 Print Date 04/23/2018

Yellow 53) Phthalocyanine Blue Phthalocyanine green

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)	:	Listed
Clean Air Act Section 602 Class I	:	Not listed
Substances		X7 . 11 . 1
Clean Air Act Section 602 Class II Substances	:	Not listed
DEA List I Chemicals (Precursor	•	Not listed
Chemicals)	•	i tot listed
DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

: Not applicable.

Composition/information on ingredients

Name	%	Classification
Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) ester	1 - 3	АН
Carbon black	5 - 10	СН

SARA 313

Form R - Reporting requirementsNickel antimony yellow rutile (C.I. Pigment Yellow8007-18-91 - 3		Product name	CAS number	%
	Form R - Reporting	Nickel antimony yellow	8007-18-9	1 - 3
	requirements	rutile (C.I. Pigment Yellow		
53)	_	53)		
Supplier notificationNickel antimony yellow8007-18-91 - 3	Supplier notification	Nickel antimony yellow	8007-18-9	1 - 3



DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018

Page 14 of 16 Print Date 04/23/2018

ru 5.	e (C.I. Pigment Yellow	
	ached from the SDS and any copying and redistribution of the SD e notice attached to copies of the SDS subsequently redistributed.	S shall
<u>State regulations</u> Massachusetts New York New Jersey Pennsylvania	 None of the components are listed. None of the components are listed. The following components are listed: Phthalocyanine Blue Nickel antimony yellow rutile (C.I. Pigment Yellow 53) Phthalocyanine green Carbon black The following components are listed: Phthalocyanine Blue 	
	Nickel antimony yellow rutile (C.I. Pigment Yellow 53) Phthalocyanine green Carbon black	
<u>California Prop. 65</u> WARNING: This product contains a	emical known to the State of California to cause cancer.	
United States inventory (TSCA 8b)	: All components are listed or exempted.	
Canada inventory	: All components are listed or exempted.	
International regulations Inventory list		
Australia Canada China Europe inventory Japan New Zealand Philippines Republic of Korea Taiwan Turkey United States	 Not determined. All components are listed or exempted. Not determined. All components are listed or exempted. 	

14/16

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 15 of 16 Print Date 04/23/2018

Section 16. Other information

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

Health	/	0
Flammability		0
Physical hazards		0

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

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

History		
Date of printing	:	04/23/2018
Date of issue/Date of revision	:	01/29/2018
Date of previous issue	:	09/13/2016
Version	:	1.2
Key to abbreviations	:	ATE = Acute Toxicity Estimate
•		BCF = Bioconcentration Factor
		GHS = Globally Harmonized System of Classification and Labelling of
		Chemicals
		IATA = International Air Transport Association
		IBC = Intermediate Bulk Container
		IMDG = International Maritime Dangerous Goods
		LogPow = logarithm of the octanol/water partition coefficient
		MARPOL = International Convention for the Prevention of Pollution From
		Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		UN = United Nations
References	:	Not available.

Notice to reader

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

<u>PolyOne</u>

DX9 BLACK/WPP351 MP-552

Version Number 1.2 Revision Date 01/29/2018 Page 16 of 16 Print Date 04/23/2018

materials or in any process, unless specified in the text.