

Issue date: 11/12/2021 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product name	: EP1121-4 Black A
.2. Recommended use and restr	ictions on use
Recommended use	: Epoxy resin
Restrictions on use	: Product for industrial use only
1.3. Supplier	
ResinLab, LLC N109 W13300 Ellsworth Drive Germantown, WI 53022 - United States T 1-877-259-1669 msds@resinlab.com - www.resinlab.cor	
1.4. Emergency telephone numbe	er i i i i i i i i i i i i i i i i i i i
Emergency number	: CHEMTREC:1-800-424-9300 (USA); +1 703-527-3887 (International)
SECTION 2: Hazard(s) identific	ation
2.1. Classification of the substance	
GHS US classification	
Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1 Skin sensitization, Category 1 Full text of H statements : see section 16	H317 May cause an allergic skin reaction
2.2. GHS Label elements, includir GHS US labeling	ig precautionary statements
Hazard pictograms (GHS US)	
Signal word (GHS US)	: Warning
Hazard statements (GHS US)	: H315 - Causes skin irritation
Hazaru statements (GHS US)	H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation
Precautionary statements (GHS US)	 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
2.3. Other hazards which do not r	esult in classification
No additional information available	
2.4. Unknown acute toxicity (GHS	

Unknown acute toxicity (GHS US) 2.4.

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

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Name	Product identifier	%	GHS US classification
luminum oxide	(CAS-No.) 1344-28-1	50 – 75	Not classified
Epoxy Resin	(CAS-No.) 25068-38-6	10 – 30	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9- octadecanoic acid	(CAS-No.) 74398-71-3	5 – 10	Skin Sens. 1, H317
arbon black	(CAS-No.) 1333-86-4	0.1 – 0.5	Not classified

Full text of hazard classes and H-statements : see section 16

SECTI	ON 4: First-aid measures	
4.1.	Description of first aid measures	
First-ai	d measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-ai	d measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-ai	d measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-ai	d measures after ingestion	: Rinse mouth out with water. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person. Call a poison center/doctor/physician if you feel unwell.
4.2.	Most important symptoms and effects	(acute and delayed)
Sympto	oms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Sympto	oms/effects after eye contact	: Eye irritation.
4.3.	Immediate medical attention and spec	ial treatment, if necessary
Treat sy	mptomatically.	
SECTI	ON 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguishin	g media
Suitable	e extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuita	able extinguishing media	: Do not use water jet to extinguish.
5.2.	Specific hazards arising from the cher	nical
Hazard fire	ous decomposition products in case of	: Toxic fumes may be released, Carbon oxides (CO, CO2), Phenolic compounds
5.3.	Special protective equipment and pred	cautions for fire-fighters
Protect	ion during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTI	ON 6: Accidental release measu	res
6.1.	Personal precautions, protective equi	oment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerge	ency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
6.1.2.	For emergency responders	
	ive equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2.	Environmental precautions	
Avoid rel	ease to the environment.	
6.3.	Methods and material for containment	and cleaning up
For cor	ntainment	: Collect spillage.
Method	ls for cleaning up	: Take up liquid spill into absorbent material.
Other in	nformation	: Dispose of materials or solid residues at an authorized site.
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6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	Contains a component(s) that is encapsulated within the product and not expected to be released during normal processing conditions or a foreseeable emergency. Do not breathe dust created by sanding, grinding or machining.
Precautions for safe handling	Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includin	g any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Epoxy Resin (2506	\$8-38-6)	
Not applicable		
1, 2, 3-Propanetriy	l ester of 12-(oxiranylmethoxy)-9-octadecanoic acid (74	4398-71-3)
Not applicable		
carbon black (133	3-86-4)	
ACGIH	Local name	Carbon black
ACGIH	ACGIH OEL TWA	3 mg/m ³ (Inhalable fraction)
ACGIH	Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL (TWA) [1]	3.5 mg/m ³
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
aluminum oxide (1	344-28-1)	
ACGIH	ACGIH OEL TWA	1 mg/m ³ (Respirable fraction)
OSHA	OSHA PEL (TWA) [1]	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2.	Appropriate engineering controls		
Appro	priate engineering controls	:	Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace.
Enviro	nmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses with side shields

Skin and body protection:

Wear suitable protective clothing

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Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and ch	nemical properties
Physical state	: Liquid
Color	: Black
Odor	: characteristic
Odor threshold	: No data available
рН	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 200 °C
Flash point	: > 93 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density	: 2.15 g/cm ³
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
VOC content	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Acids. Bases (Alkalis). Oxidizing agent. Ethylene oxide. Chlorine trifluoride.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Not classified	

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Epoxy Resin (25068-38-6)	
LD50 oral rat	> 2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female,
LD50 dermal rat	Experimental value, Oral, 14 day(s)) > 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal
	Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
carbon black (1333-86-4)	
LD50 oral rat	> 10000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 28 day(s))
LD50 dermal rabbit	> 8000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 4.6 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Experimental value, Inhalation (dust))
aluminum oxide (1344-28-1)	·
LD50 oral rat	> 15900 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female,
	Experimental value, Oral)
LC50 Inhalation - Rat	7.6 mg/l air (Equivalent or similar to OECD 403, 1 h, Rat, Male, Experimental value, Inhalation (aerosol))
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Epoxy Resin (25068-38-6)	
NOAEL (chronic,oral,animal/male,2 years)	15 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453
	(Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information)
NOAEL (chronic,oral,animal/female,2 years)	100 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information)
carbon black (1333-86-4)	
	2P. Descibly acroinegenia to hymony
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
Reproductive toxicity	
Reproductive toxicity STOT-single exposure	: Not classified
Reproductive toxicity STOT-single exposure	 Not classified Not classified Not classified
Reproductive toxicity STOT-single exposure STOT-repeated exposure	: Not classified : Not classified
Reproductive toxicity STOT-single exposure STOT-repeated exposure Epoxy Resin (25068-38-6)	 Not classified Not classified Not classified So mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of
Reproductive toxicity STOT-single exposure STOT-repeated exposure Epoxy Resin (25068-38-6) NOAEL (oral,rat,90 days)	 Not classified Not classified Not classified So mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of
Reproductive toxicity STOT-single exposure STOT-repeated exposure Epoxy Resin (25068-38-6) NOAEL (oral,rat,90 days) carbon black (1333-86-4)	 Not classified Not classified Not classified So mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals 0.0071 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic
Reproductive toxicity STOT-single exposure STOT-repeated exposure Epoxy Resin (25068-38-6) NOAEL (oral,rat,90 days) Carbon black (1333-86-4) LOAEC (inhalation,rat,dust/mist/fume,90 days)	 Not classified Not classified Not classified So mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals 0.0071 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) > 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-
Reproductive toxicity STOT-single exposure STOT-repeated exposure Epoxy Resin (25068-38-6) NOAEL (oral,rat,90 days) Carbon black (1333-86-4) LOAEC (inhalation,rat,dust/mist/fume,90 days) NOAEL (oral,rat,90 days)	 Not classified Not classified Not classified So mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals 0.0071 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) > 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents) 0.0011 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic
Reproductive toxicity STOT-single exposure STOT-repeated exposure Epoxy Resin (25068-38-6) NOAEL (oral,rat,90 days) Carbon black (1333-86-4) LOAEC (inhalation,rat,dust/mist/fume,90 days) NOAEL (oral,rat,90 days) NOAEL (oral,rat,90 days)	 Not classified Not classified Not classified So mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals 0.0071 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) > 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents) 0.0011 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic
Reproductive toxicity STOT-single exposure STOT-repeated exposure Epoxy Resin (25068-38-6) NOAEL (oral,rat,90 days) Carbon black (1333-86-4) LOAEC (inhalation,rat,dust/mist/fume,90 days) NOAEL (oral,rat,90 days) NOAEL (oral,rat,90 days) NOAEC (inhalation,rat,dust/mist/fume,90 days) aluminum oxide (1344-28-1)	 Not classified Not classified Not classified So mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals 0.0071 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study) > 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) 0.0011 mg/l air Animal: rat, Animal sex: male, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

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cording to Federal Register / Vol. 77, No. 58 / Mono	Jay, March 26, 2012 / Rules and Regulations
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
SECTION 12: Ecological informati	on
2.1. Toxicity	
Ecology - general	: Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Ecology - water	: Harmful to aquatic life with long lasting effects.
Epoxy Resin (25068-38-6)	
LC50 - Fish [1]	2.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	2 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
carbon black (1333-86-4)	
LC50 - Fish [1]	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	> 5600 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 10000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
aluminum oxide (1344-28-1)	
LC50 - Fish [1]	> 100 mg/l
2.2. Persistence and degradability	
Epoxy Resin (25068-38-6)	
Persistence and degradability	Not readily biodegradable in water.
carbon black (1333-86-4)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
L	

	Not applicable (inorganic)
aluminum oxide (1344-28-1)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
BOD (% of ThOD)	Not applicable

12.3. **Bioaccumulative potential**

Epoxy Resin (25068-38-6)		
BCF - Other aquatic organisms [1]	31 (Estimated value, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	3 (Estimated value, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
carbon black (1333-86-4)		
Bioaccumulative potential	Not bioaccumulative.	
aluminum oxide (1344-28-1)		
Bioaccumulative potential	No bioaccumulation data available.	

12.4. Mobility in soil

Epoxy Resin (25068-38-6)	
Surface tension	59 mN/m (20 °C, 0.09 g/l)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.65 (log Koc, SRC PCKOCWIN v2.0, QSAR)
Ecology - soil	Low potential for adsorption in soil.

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carbon black (1333-86-4)		
Surfa	ace tension	Not applicable (solid)
Ecol	ogy - soil	No (test)data on mobility of the substance available. Not toxic to plants. Not toxic to animals.
alun	aluminum oxide (1344-28-1)	
Ecol	ogy - soil	No (test)data on mobility of the substance available.
12.5.	Other adverse effects	

No additional information available

SECTION 13: Disposal consideration	IS
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT) In accordance with DOT	
Not regulated	
Transportation of Dangerous Goods	
Not applicable	
Transport by sea	
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin), 9, III
UN-No. (IMDG)	: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. Epoxy Resin
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5L
Air transport	
Transport document description (IATA) UN-No. (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin), 9, III : 3082
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s. Epoxy Resin
Class (IATA)	: 9 - Miscellaneous Dangerous Substances and Articles
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

aluminum oxide	CAS-No. 1344-28-1	50 – 75%	
Epoxy Resin (25068-38-6)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).			

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1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid (74398-71-3)	
EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed TSCA section 4 test rule. XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
aluminum oxide (1344-28-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	

15.2. International regulations

CANADA

Epoxy Resin (25068-38-6)

Listed on the Canadian DSL (Domestic Substances List)

1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid (74398-71-3)

Listed on the Canadian DSL (Domestic Substances List)

carbon black (1333-86-4)

Listed on the Canadian DSL (Domestic Substances List)

aluminum oxide (1344-28-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Contains no REACH candidate substance

National regulations

1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid (74398-71-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
carbon black (1333-86-4)	
Listed on IARC (International Agency for Research on Cancer) Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)	

15.3. US State regulations

WARNING: This product can expose you to 1-chloro-2,3-epoxypropane, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
aluminum oxide(1344-28-1)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
carbon black(1333-86-4)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.