

Resinlah AN ELLSWORTH ADHESIVES COMPANY

SECTION 1: Identification	
I.1. Identification	
Product form	: Mixture
Product name	: EP1340 Black B
I.2. Recommended use and restri	rictions on use
Recommended use	: Epoxy hardener
Restrictions on use	: Product for industrial use only
I.3. Supplier	
ResinLab, LLC N109 W13300 Ellsworth Drive Germantown, WI 53022 - United States T 1-877-259-1669 msds@resinlab.com - www.resinlab.cor	
I.4. Emergency telephone numbe	er
Emergency number	: CHEMTREC:1-800-424-9300 (USA); +1 703-527-3887 (International)
SECTION 2: Hazard(s) identific	cation
2.1. Classification of the substance	
GHS US classification	
Skin corrosion/irritation Category 1B Skin sensitization, Category 1 Reproductive toxicity Category 2	H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H361 Suspected of damaging fertility or the unborn child
Full text of H statements : see section 16	
2.2. GHS Label elements, includin	ng precautionary statements
GHS US labeling Hazard pictograms (GHS US)	
•	
•	: Danger
Hazard pictograms (GHS US)	: H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction
Hazard pictograms (GHS US) Signal word (GHS US)	 H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H361 - Suspected of damaging fertility or the unborn child P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood.
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2.3.	Other hazards	which do not	t result in	classification
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No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Fatty acids, c18-unsat., dimers, polymers with 3,3'-(oxybis(2,1-ethanediyloxy))bis(1-propanamine)	(CAS-No.) 68541-13-9	10 – 30
4-Nonylphenol, branched	(CAS-No.) 84852-15-3	10 – 30
Poly(oxypropylene)diamine	(CAS-No.) 9046-10-0	10 – 30
Bisphenol A	(CAS-No.) 80-05-7	5 – 10
N-(2-Aminoethyl)piperazine	(CAS-No.) 140-31-8	5 – 10
Benzyldimethylamine	(CAS-No.) 103-83-3	1 – 5
Diethylene glycol Bis(3-aminopropyl) Ether	(CAS-No.) 4246-51-9	0.5 – 1

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

SECTION 4: First-aid measures

4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	 Rinse immediately with plenty of water for 15 minutes. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effect	s (acute and delayed)
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
Symptoms/effects after skin contact Symptoms/effects after eye contact	Burns. May cause an allergic skin reaction.Serious damage to eyes.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECT	ION 5: Fire-fighting measures		
5.1.	Suitable (and unsuitable) extinguishing	ng	media
Suitat	ble extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.
Unsui	table extinguishing media	:	Do not use water jet to extinguish.
5.2.	Specific hazards arising from the che	m	cal
Hazaı fire	dous decomposition products in case of	:	Toxic fumes may be released, Carbon oxides (CO, CO2), Nitrogen oxides, Silicon oxides, Phosphorus oxides
5.3.	Special protective equipment and pre	Ca	utions for fire-fighters
Prote	ction during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECT	ION 6: Accidental release meas	ur	es
6.1.	Personal precautions, protective equ	ipı	nent and emergency procedures
0.4.4			

6.1.1. For non-emergency personnel

Emergency procedures	:	Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe
		dust/fume/gas/mist/vapors/spray.

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	For emergency responders ve 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 rele	ease to the environment.	
6.3.	Methods and material for containmen	t and cleaning up
Methods	s for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other in	formation	: Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furthe	er information refer to section 13.	
SECTIO	ON 7: Handling and storage	
7.1.	Precautions for safe handling	
Precaut	ions for safe handling	: Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe 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, including	any incompatibilities
Storage	conditions	: Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Not appl	licable
N-(2-Am	ninoethyl)piperazine (140-31-8)
Not appl	licable
Poly(ox	ypropylene)diamine (9046-10-0)
Not appl	licable
Bispher	nol A (80-05-7)
Not appl	licable
Fatty ac	ids, c18-unsat., dimers,polymers with 3,3'-(oxybis(2,1-ethanediyloxy))bis(1-propanamine) (68541-13-9)
Not appl	licable
Diethyle	ene glycol Bis(3-aminopropyl) Ether (4246-51-9)
Not appl	licable
Benzyld	limethylamine (103-83-3)
Not appl	licable

Appropriate engineering controls	: Ensure good ventilation of the work station, ventilate curing ovens to prevent emissions in the workplace.
Environmental exposure controls	: Avoid release to the environment.
8.3. Individual protection measures/Perso	onal protective equipment
Hand protection: Protective gloves	
Eye protection:	
Safety glasses with side shields	

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Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of inadequate ventilation, wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical	properties
9.1. Information on basic physical and o	
Physical state	: Liquid
Color	: Cream
Odor	: Amine-like
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 93 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 1.23 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. Oxidizing agent. Metals. Sodium hypochlorite. Reacts violently with peroxides.

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information	ôn .
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
4-Nonylphenol, branched (84852-15-3)	
LD50 oral rat	1412 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s))
ATE US (oral)	1412 mg/kg body weight (Kat, Male / Jenale, Experimental value, Oral, 14 day(s))
N-(2-Aminoethyl)piperazine (140-31-8)	
LD50 oral rat	2097 mg/kg body weight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	866 mg/kg bw/day (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
ATE US (oral)	2097 mg/kg body weight
ATE US (dermal)	866 mg/kg body weight
Poly(oxypropylene)diamine (9046-10-0)	
LD50 oral rat	2627 mg/kg
LD50 dermal rat	2980 mg/kg
LD50 dermal rabbit	2980 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat	> 0.74 mg/l
ATE US (oral)	2627 mg/kg body weight
ATE US (dermal)	2980 mg/kg body weight
Bisphenol A (80-05-7)	
LD50 oral rat	2000 – 5000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	3000 mg/kg body weight (Rabbit, Experimental value, Dermal)
ATE US (oral)	2000 mg/kg body weight
ATE US (dermal)	3000 mg/kg body weight
Diethylene glycol Bis(3-aminopropyl) Ether	(/2/6-51-9)
LD50 oral rat	3160 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	 > 2150 mg/kg (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LD50 dermal rabbit	2500 mg/kg
ATE US (oral)	3160 mg/kg body weight
ATE US (dermal)	2500 mg/kg body weight
Benzyldimethylamine (103-83-3)	
LD50 oral rat	579 mg/kg body weight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	1477 mg/kg (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	2.05 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral)	579 mg/kg body weight
ATE US (dermal)	1477 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	2.05 mg/l/4h
ATE US (dust, mist)	2.05 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Assumed to cause serious eye damage
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Caromogeniony	

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Reproductive toxicity	: Suspected of damaging fertility or the unborn child.	
STOT-single exposure	: Not classified	
Bisphenol A (80-05-7)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure	: Not classified	
N-(2-Aminoethyl)piperazine (140-31-8)		
STOT-repeated exposure	Causes damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).	
Bisphenol A (80-05-7)		
LOAEL (oral,rat,90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)	
Aspiration hazard	: Not classified	
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.	
Symptoms/effects after eye contact	: Serious damage to eyes.	
Symptoms/effects after ingestion	: Burns.	

SECTION 12: Ecological information

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
4-Nonylphenol, branched (84852-	5-3)
LC50 - Fish [1]	0.08 mg/l (ASTM E729-96, 96 h, Hybopsis monacha, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	0.084 mg/l (ASTM E729-88, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Lethal)
NOEC chronic fish	0.006 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdner Duration: '91 d'
N-(2-Aminoethyl)piperazine (140-3	1-8)
LC50 - Fish [1]	2190 mg/l (96 h, Pimephales promelas, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	58 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Experimental value, GLP)
ErC50 algae	> 1000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata Fresh water, Experimental value, GLP)
Poly(oxypropylene)diamine (9046	.10-0)
LC50 - Fish [1]	772.14 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value, GLP)
EC50 - Crustacea [1]	80 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	15 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Sta system, Fresh water, Experimental value, GLP)
NOEC (chronic)	7.64 mg/l Test organisms (species):
Bisphenol A (80-05-7)	
LC50 - Fish [1]	4.6 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	10.2 mg/l (ASTM E-35.21, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Lethal)
LOEC (chronic)	3.6 mg/l Test organisms (species): other:Rotifer (Brachionus calyciflorus) Duration: '48 h'
Diethylene glycol Bis(3-aminopro	oyl) Ether (4246-51-9)
LC50 - Fish [1]	215 – 464 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Experimen value, Nominal concentration)
EC50 - Crustacea [1]	218.16 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experiment value, Nominal concentration)
LC50 - Fish [2]	215 – 464 mg/l Test organisms (species): Leuciscus idus

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Diethylene glycol Bis(3-aminopropyl) Ether (4246-51-9)		
NOEC (chronic)	> 1 mg/l Test organisms (species): Daphnia magna	
NOEC chronic fish	> 1 mg/l Test organisms (species): Leuciscus idus	
Benzyldimethylamine (103-83-3)		
LC50 - Fish [1]	37.8 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value)	
EC50 - Crustacea [1]	> 100 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
ErC50 algae	1.34 mg/l (EU Method C.3, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	

12.2. Persistence and degradability

4-Nonylphenol, branched (84852-15-3)		
Persistence and degradability	Biodegradability in soil: no data available. Inherently biodegradable.	
N-(2-Aminoethyl)piperazine (140-31-8)		
Persistence and degradability	Not readily biodegradable in water.	
Chemical oxygen demand (COD)	0.56 g O₂/g substance	
Poly(oxypropylene)diamine (9046-10-0)		
Persistence and degradability	Not readily biodegradable in water.	
Bisphenol A (80-05-7)		
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	
Chemical oxygen demand (COD)	0.036 g O₂/g substance	
ThOD	2.5 g O₂/g substance	
Diethylene glycol Bis(3-aminopropyl) Ether (4246-51-9)		
Persistence and degradability	Not readily biodegradable in water.	
Benzyldimethylamine (103-83-3)		
Persistence and degradability	Not readily biodegradable in water.	

12.3. Bioaccumulative potential

4-Nonylphenol, branched (84852-15-3)			
BCF - Fish [1]	1200 – 1300 (Equivalent or similar to OECD 305, 16 day(s), Gasterosteus aculeatus, Flow- through system, Salt water, Experimental value, Fresh weight)		
Partition coefficient n-octanol/water (Log Pow)	5.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 23 °C)		
Bioaccumulative potential	Potential for bioaccumulation (500 \leq BCF \leq 5000).		
N-(2-Aminoethyl)piperazine (140-31-8)			
BCF - Fish [1]	0.3 – 6.3 (OECD 305: Bioconcentration: Flow-Through Fish Test, 6 week(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across)		
Partition coefficient n-octanol/water (Log Pow)	-1.48 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
Poly(oxypropylene)diamine (9046-10-0)			
Partition coefficient n-octanol/water (Log Pow)	1.34 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)		
Bioaccumulative potential	Not bioaccumulative.		
Bisphenol A (80-05-7)			
BCF - Fish [1]	5.1 – 67 (42 day(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, Fresh weight)		
Partition coefficient n-octanol/water (Log Pow)	3.4 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 21.5 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
Diethylene glycol Bis(3-aminopropyl) Ether (4	1246-51-9)		
BCF - Fish [1]	0.89 – 3.16 (BCFBAF v3.01, Pisces, Estimated value)		

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Diethylene glycol Bis(3-aminopropyl) Ether (4246-51-9)		
Partition coefficient n-octanol/water (Log Pow)	-1.25 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)	
Bioaccumulative potential	Not bioaccumulative.	
Benzyldimethylamine (103-83-3)		
BCF - Fish [1]	2.1 – 22 (OECD 305: Bioconcentration: Flow-Through Fish Test, 6 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	1.98 (Experimental value)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

12.4. Mobility in soil

4-Nonylphenol, branched (84852-15-3)		
Surface tension	38.9 mN/m (20 °C, EU Method A.5: Surface tension)	
Ecology - soil	Adsorbs into the soil.	
N-(2-Aminoethyl)piperazine (140-31-8)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.57 (log Koc, Read-across, GLP)	
Ecology - soil	Low potential for mobility in soil.	
Poly(oxypropylene)diamine (9046-10-0)		
Surface tension	Data waiving	
Ecology - soil	No (test)data on mobility of the substance available.	
Bisphenol A (80-05-7)		
Surface tension	No data available (test not performed)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.8 – 2.97 (log Koc, OECD 106: Adsorption/Desorption Using a Batch Equilibrium Method, Experimental value, GLP)	
Ecology - soil	Low potential for adsorption in soil.	
Diethylene glycol Bis(3-aminopropyl) Ether (4246-51-9)		
Ecology - soil	Highly mobile in soil.	
Benzyldimethylamine (103-83-3)		
Surface tension	61.47 mN/m (EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.955 – 2.457 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Low potential for adsorption in soil.	

12.5. Other adverse effects

No additional information available

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
ECTION 14: Transport information	on
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description (DOT)	: UN3267 Corrosive liquid, basic, organic, n.o.s. (4-Nonylphenol, branched ; Poly(oxypropylene)diamine), 8, III
UN-No.(DOT)	: UN3267
Proper Shipping Name (DOT)	: Corrosive liquid, basic, organic, n.o.s.
	4-Nonylphenol, branched ; Poly(oxypropylene)diamine
Class (DOT)	 4-Nonyiphenol, branched ; Poly(oxypropylene)diamine 8 - Class 8 - Corrosive material 49 CFR 173.136

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Hazard labels (DOT)	: 8 - Corrosive
	CORROSIVE
	8
Dangerous for the environment	: Yes
-	: Yes
	\wedge
	$\langle \Psi_{7} \rangle$
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite
	(31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids
	with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table
	2 for UN2672).
	T7 - 4 178.274(d)(2) Normal 178.275(d)(3)
	TP1 - The maximum degree of filling must not exceed the degree of filling determined by the
	following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
	TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used
	provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous
	material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the
DOT Deckering Executions (40 CED 470 mm)	MAWP.
001	: 154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49	: 60 L
CFR 175.75)	
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters",52 - Stow "separated from" acids
	: 153
	: No supplementary information available.
Transportation of Dangerous Goods	
Not applicable	
Transport by sea	
Transport document description (IMDG)	: UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (4-Nonylphenol, branched ; Poly(oxypropylene)diamine), 8, III
UN-No. (IMDG)	: 3267
	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
	4-Nonylphenol, branched ; Poly(oxypropylene)diamine
	: 8 - Corrosive substances
	: III - substances presenting low danger
	: 5L
Marine pollutant	: Yes
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Air transport	
Transport document description (IATA)	: UN 3267 Corrosive liquid, basic, organic, n.o.s. (4-Nonylphenol, branched ; Poly(oxypropylene)diamine), 8, III
UN-No. (IATA)	: 3267
Proper Shipping Name (IATA)	 Corrosive liquid, basic, organic, n.o.s. 4-Nonylphenol, branched ; Poly(oxypropylene)diamine
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

4-Nonylphenol, branched	CAS-No. 84852-15-3	10 – 30%
Bisphenol A	CAS-No. 80-05-7	5 – 10%
4-Nonylphenol, branched (84852-15-3)		
Listed on the United States TSCA (Toxic Substar Subject to reporting requirements of United State	, ,	
EPA TSCA Regulatory Flag	SP - SP - indicates a substance that is identi	fied in a proposed Significant New Use Rule.
N-(2-Aminoethyl)piperazine (140-31-8)		
Listed on the United States TSCA (Toxic Substan	ces Control Act) inventory	
Poly(oxypropylene)diamine (9046-10-0)		
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).	
Bisphenol A (80-05-7)		
Subject to reporting requirements of United State	s SARA Section 313	
Fatty acids, c18-unsat., dimers, polymers with	3,3'-(oxybis(2,1-ethanediyloxy))bis(1-propa	namine) (68541-13-9)
Listed on the United States TSCA (Toxic Substan	ces Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from Rule, (40 CFR 711).	reporting under the Chemical Data Reporting
Diethylene glycol Bis(3-aminopropyl) Ether (4	246-51-9)	
Listed on the United States TSCA (Toxic Substan	ces Control Act) inventory	
Benzyldimethylamine (103-83-3)		
Listed on the United States TSCA (Toxic Substan	ces Control Act) inventory	

15.2. International regulations

ANADA
4-Nonylphenol, branched (84852-15-3)
Listed on the Canadian DSL (Domestic Substances List)
N-(2-Aminoethyl)piperazine (140-31-8)
Listed on the Canadian DSL (Domestic Substances List)
Poly(oxypropylene)diamine (9046-10-0)
Listed on the Canadian DSL (Domestic Substances List)
Bisphenol A (80-05-7)
Listed on the Canadian DSL (Domestic Substances List)
Fatty acids, c18-unsat., dimers,polymers with 3,3'-(oxybis(2,1-ethanediyloxy))bis(1-propanamine) (68541-13-9)
Listed on the Canadian DSL (Domestic Substances List)
Diethylene glycol Bis(3-aminopropyl) Ether (4246-51-9)
Listed on the Canadian DSL (Domestic Substances List)

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Benzyldimethylamine (103-83-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Contains the following REACH ingredient(s): 4-Nonylphenol, branched (EC 284-325-5, CAS 84852-15-3), Bisphenol A (EC 201-245-8, CAS 80-05-7)

National regulations

Bisphenol A (80-05-7)

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 Bisphenol A (BPA), 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
N-(2-Aminoethyl)piperazine(140-31-8)	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
Bisphenol A(80-05-7)	U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Benzyldimethylamine(103-83-3)	U.S New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

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Revision date

: 01/10/2023

Full text of H-phrases:

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

SDS US - ResinLab

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.