

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) Issue date: 6/19/2025 Version: 1.0

SECTION 1 Identification	
1.1. Product identifier	
Product form Product name	: Mixture : EP965T1 Black B
1.2. Other means of identification	
No additional information available	
1.3. Recommended use of the chemical	l and restrictions on use
Recommended use Restrictions on use	: Epoxy hardener : Product for industrial use only
1.4. Supplier's details	
ResinLab, LLC N109 W13300 Ellsworth Drive Germantown, WI, 53022 United States T 1-877-259-1669 <u>msds@resinlab.com</u> - <u>www.resinlab.com</u>	
1.5. Emergency phone number	
SECTION 2 Hazard Identification	
2.1. Classification of the substance or	mixture
GHS US classification Skin corrosion/irritation, Category 1B Skin sensitization, Category 1 Reproductive toxicity, Category 2 Full text of H statements : see section 16	 H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H361 Suspected of damaging fertility or the unborn child.
2.2. Label elements	
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US)	 Danger H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H361 - Suspected of damaging fertility or the unborn child
Precautionary statements (GHS US)	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust, fume, gas, mist, vapors, spray. P261 - Avoid breathing dust, fume, gas, mist, vapors, spray. P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work elections must be eleved out of the workplace.

- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves, protective clothing, eye protection, face protection, and hearing

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protection.

P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P310 - Immediately call a poison center or doctor.

P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.

P363 - Take off immediately all contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P405 - Store locked up.

P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	CAS-No.: 68082-29-1	30 – 50
4-Nonylphenol, branched	CAS-No.: 84852-15-3	30 – 50
N-(2-Aminoethyl)piperazine	CAS-No.: 140-31-8	10 – 30
Triethylenetetramine	CAS-No.: 112-24-3	1 – 5

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

SECTION 4 First aid measures

4.1. Description of necessary 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. If experiencing respiratory symptoms: Call a poison center or a doctor.
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.

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First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.	
4.2. Most important symptoms/effect	s, acute and delayed	
Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	 Burns. May cause an allergic skin reaction. Serious damage to eyes. Burns. 	
4.3. Indication of immediate medical attention and special treatment needed, if necessary		
Other medical advice or treatment	: Treat symptomatically.	
SECTION 5: Fire-fighting measure	es	
5.1. Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide. : Do not use water jet to extinguish.	
5.2. Specific hazards arising from the chemical		

Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO2). Nitrogen oxides.
5.3. Special protective equipment and preca	utions for fire-fighters
5 5	 Complete protective clothing. Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures		
6.1. Personal precautions, protective equipme	ent and emergency procedures	
General measures :	Avoid contact with skin and eyes. Avoid inhalation of the product. Ventilate spillage area. Do NOT breathe (dust, vapor, mist, gas).	
For non-emergency personnel		
Emergency procedures :	Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.	
For emergency responders		
Protective equipment :	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
Environmental precautions :	Avoid release to the environment. Do not allow to enter drains or water courses.	
6.2. Methods and materials for containment and cleaning up		
For containment:Methods for cleaning up:Other information:	Collect spillage. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site.	

For further information refer to section 13

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SECTION 7 Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 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. 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	g incompatibilities
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep cool.
SECTION 8 Exposure controls/perso	nal protection
8.1. Control parameters	
Triethylenetetramine (112-24-3)	
USA - AIHA - Occupational Exposure Limits	
WEEL TWA	1 ppm (skin)
8.2. Appropriate engineering controls	
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, such	as personal protective equipment
Hand protection:	
Protective gloves	
Eye protection:	
Safety glasses with side shields	
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. Basic physical and chemical properties

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Color	· Amber
Odor	: characteristic
Odor threshold	: No data available
pH	: ≈ 11 Estimated
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 176 °C
Flash point	: > 99 °C
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	: 0.96 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	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information 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. Oxidizing agents. May be corrosive to some metals. Peroxides. nitrous acid. Nitrites. Nitrous oxide. This product contains substances ({0}) identified for having the potential of forming nitrosamines in nitrosating systems.

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		
11.1. Information on toxicolog	ical effects	
Acute toxicity (oral) Acute toxicity (dermal)	: Not classified : Not classified	

: Not classified

Acute toxicity (inhalation)

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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)	500 mg/kg body weight
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
Fatty acids, C18-unsatd., dimers, oligomeric r	reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
Triethylenetetramine (112-24-3)	
LD50 oral rat	1716 mg/kg body weight (BASF test, Rat, Experimental value, Oral)
LD50 dermal rabbit	1465 mg/kg body weight (BASF test, Rabbit, Experimental value, Dermal)
ATE US (oral)	1716 mg/kg body weight
ATE US (dermal)	1465 mg/kg body weight
	Causes severe skin burns. pH: ≈ 11 Estimated
4-Nonylphenol, branched (84852-15-3)	
рН	No data available in the literature
N-(2-Aminoethyl)piperazine (140-31-8)	
рН	11.4
Fatty acids, C18-unsatd., dimers, oligomeric r	reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)
рН	10.98 (1 %, 25 °C, CIPAC MT 75: Determination of pH)
Triethylenetetramine (112-24-3)	
рН	10.7
	Assumed to cause serious eye damage pH: ≈ 11 Estimated
4-Nonylphenol, branched (84852-15-3)	
рН	No data available in the literature
N-(2-Aminoethyl)piperazine (140-31-8)	
рН	11.4
Fatty acids, C18-unsatd., dimers, oligomeric r	reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)
рН	10.98 (1 %, 25 °C, CIPAC MT 75: Determination of pH)
Triethylenetetramine (112-24-3)	

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Respiratory or skin sensitization Germ cell mutagenicity	: May cause an allergic skin reaction. : Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.	
4-Nonylphenol, branched (84852-15-3)		
NOAEL (animal/female, F0/P)	15 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Remarks on results: other:Generation: All generations tested: F0, F1, F2, F3 (migrated information)	
NOAEL (animal/male, F1)	15 mg/kg body weight Animal: rat, Animal sex: male, Guideline: other:EPA OPPTS 837.3800 (US EPA OPPTS 1998)	
STOT-single exposure	: Not classified	
STOT-repeated exposure	: Not classified	
4-Nonylphenol, branched (84852-15-3)		
LOAEL (oral,rat,90 days)	400 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	
NOAEL (oral,rat,90 days)	100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	
N-(2-Aminoethyl)piperazine (140-31-8)		
STOT-repeated exposure	Causes damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).	
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)		
NOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
Aspiration hazard	: Not classified	
4-Nonylphenol, branched (84852-15-3)		
Viscosity	No data available in the literature	
N-(2-Aminoethyl)piperazine (140-31-8)		
Viscosity	No data available in the literature	
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)		
Viscosity	No data available in the literature	
Triethylenetetramine (112-24-3)		
Viscosity	No data available in the literature	
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.	
Symptoms/effects after eye contact Symptoms/effects after ingestion	Serious damage to eyes.Burns.	

SECTION 12 Ecological information		
12.1. Ecotoxicity		
Ecology - general Hazardous to the aquatic environment, short-term (acute)	Very toxic to aquatic life with long lasting effects.Very toxic to aquatic life.	

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4-Nonylphenol, branched (84852	-15-3)
EC50 - Crustacea [1]	84 μ g/l (ASTM E729-88, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Lethal)
EC50 72h - Algae [1]	0.33 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	0.027 mg/l (EPA OTS 797.1050, Skeletonema costatum, Static system, Salt water, Experimental value, Cell numbers)
EC50 96h - Algae [2]	0.41 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC chronic fish	0.006 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '91 d'
N-(2-Aminoethyl)piperazine (140	31-8)
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)
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	> 1000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Fresh water, Experimental value, GLP)
Fatty acids, C18-unsatd., dimers	oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)
LC50 - Fish [1]	7.07 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	7.07 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 72h - Algae [1]	4.34 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	4.34 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Experimental value, Nominal concentration)
Triethylenetetramine (112-24-3)	
LC50 - Fish [1]	495 mg/l (96 h, Pimephales promelas, Fresh water, Literature study)
EC50 - Crustacea [1]	31.1 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Literature study)

12.2. Persistence and degradability

EP965T1 Black B			
Persistence and degradability	Not rapidly degradable		
4-Nonylphenol, branched (84852-15-3)			
Persistence and degradability Not readily biodegradable in water.			
N-(2-Aminoethyl)piperazine (140-31-8)			
Persistence and degradability	Not readily biodegradable in water.		
Chemical oxygen demand (COD)	0.56 g O ₂ /g substance		

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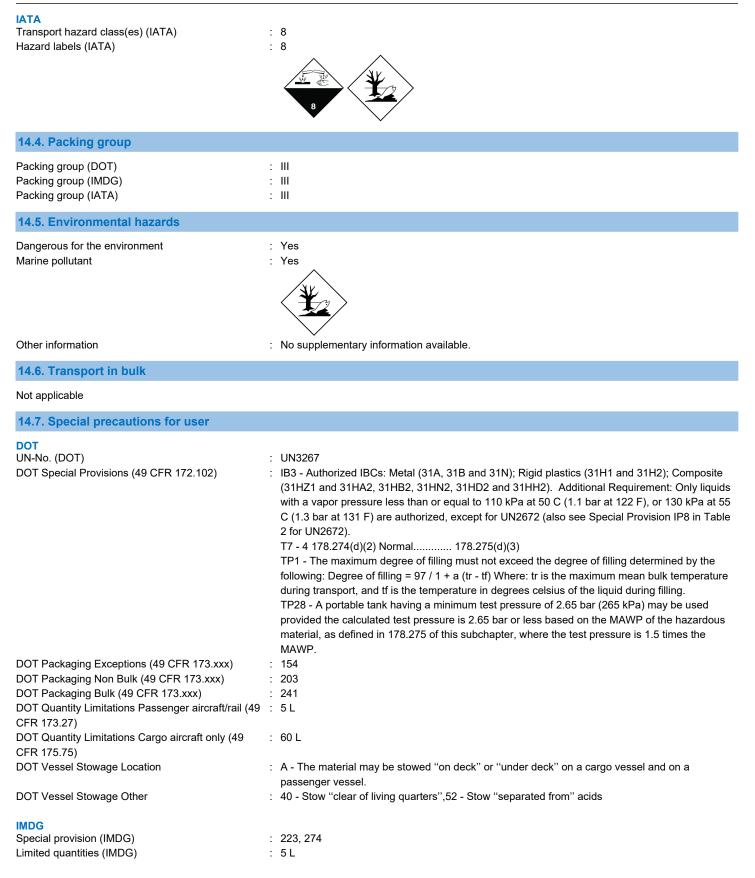
riethylenetetramine (112-24-3)	
ersistence and degradability	Not readily biodegradable in water.
2.3. Bioaccumulative potential	
Nonylphenol, branched (84852-15-3)	
CF - Fish [1]	1200 – 1300 (Equivalent or similar to OECD 305, 16 day(s), Gasterosteus aculeatus, Flow- through system, Salt water, Experimental value, Fresh weight)
artition coefficient n-octanol/water (Log Pow)	5.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 23 °C)
oaccumulative potential	Potential for bioaccumulation (500 \leq BCF \leq 5000).
-(2-Aminoethyl)piperazine (140-31-8)	
CF - 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)
artition coefficient n-octanol/water (Log Pow)	-1.48 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
oaccumulative potential	Low potential for bioaccumulation (BCF < 500).
atty acids, C18-unsatd., dimers, oligomeri	c reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)
CF - Other aquatic organisms [1]	77.4 l/kg (BCFBAF v3.01, QSAR, Fresh weight)
artition coefficient n-octanol/water (Log Pow)	0.3 – 3.55 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
oaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
riethylenetetramine (112-24-3)	
artition coefficient n-octanol/water (Log Pow)	-2.65 (Estimated value, KOWWIN)
oaccumulative potential	Not bioaccumulative.

4-Nonylphenol, branched (84852-15-3)		
Surface tension	38.9 mN/m (20 °C, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4 (log Koc, Calculated value)	
Ecology - soil	Low potential for mobility in 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.	
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)		
Surface tension	63.93 mN/m (23 °C, 0.15 g/l, EU Method A.5: Surface tension)	

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Fatty acids, C18-unsatd., dimers, oligomeric	c reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	6.5 – 8.6 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Adsorbs into the soil.
Triethylenetetramine (112-24-3)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.885 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
12.5. Other adverse effects	
Ozone Fluorinated greenhouse gases	: Not classified : No
SECTION 13 Disposal considerations	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14 Transport information	
In accordance with DOT / IMDG / IATA	
14.1. UN number	
UN-No. (DOT) UN-No. (IMDG) UN-No. (IATA)	: UN3267 : 3267 : 3267
14.2. UN Proper Shipping Name	
Proper Shipping Name (DOT) Proper Shipping Name (IMDG)	 Corrosive liquid, basic, organic, n.o.s. (4-Nonylphenol, branched; N-(2-Aminoethyl)piperazine) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (4-Nonylphenol, branched; N-(2-Aminoethyl)piperazine)
Proper Shipping Name (IATA)	 Corrosive liquid, basic, organic, n.o.s. (4-Nonylphenol, branched ; N-(2-Aminoethyl)piperazine)
14.3. Transport hazard class(es)	
	: 8 : 8 CORROSIVE

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Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG)	: E1 : P001, LP01 : IBC03
Tank instructions (IMDG)	
Tank special provisions (IMDG) EmS-No. (Fire)	: TP1, TP28 : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW2
Segregation (IMDG)	: SGG18, SG35
Properties and observations (IMDG)	: Reacts violently with acids. Causes burns to skin, eyes and mucous membranes.
ΙΑΤΑ	
Special provision (IATA)	: A3, A803
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 8L

SECTION 15 Regulatory information

15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
4-Nonylphenol, branched	84852-15-3	Present	Active	SP
N-(2-Aminoethyl)piperazine	140-31-8	Present	Active	
Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine	68082-29-1	Present	Active	XU
Triethylenetetramine	112-24-3	Present	Active	

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.

4-Nonylphenol, branched

CAS-No. 84852-15-3

30 - 50%

15.2.	International	regulations

CANADA

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)

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Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)

Listed on the Canadian DSL (Domestic Substances List)

Triethylenetetramine (112-24-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

4-Nonylphenol, branched (84852-15-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

N-(2-Aminoethyl)piperazine (140-31-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Triethylenetetramine (112-24-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

4-Nonylphenol, branched (84852-15-3)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

N-(2-Aminoethyl)piperazine (140-31-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Fatty acids, C18-unsatd., dimers, oligomeric reaction products with tall-oil fatty acids and triethylenetetramine (68082-29-1)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Triethylenetetramine (112-24-3)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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
Triethylenetetramine(112-24-3)	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 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) Issue date : 6/19/2025

Full text of hazard classes and H-statements		
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	
H410	Very toxic to aquatic life with long lasting effects	

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.