



Printing date 04/24/2015 Version 5 Reviewed on 04/24/2015

## 1 Identification of the substance/mixture and of the company/undertaking

- · Product identifier Covalence S1401-M Part B
  - · Trade name: Covalence S1401-M Part B
    - Sector of Use
    - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
    - · Application of the substance / the mixture Epoxy curing agent
    - · Uses advised against -
- · Details of the supplier of the safety data sheet
  - · Manufacturer/Supplier: Seal For Life Industries Covalence ™
  - Contact details

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- Information department: Occupational product safety department of Seal For Life Industries
- · Emergency telephone number:

For worldwide emergency assistance call CHEMTREC (24 hours):

Within USA/Canada 1-800-424-9300; Outside USA/Canada +1 703-527-3887 (collect calls accepted)

#### 2 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:	
Alkyl phenol (Proprietary)	10-25%
Acute Tox. 3, H331; Resp. Sens. 1, H334; STOT SE 1, H370-H371-H335-H336; STOT RE 2, H373; Skin Corr. 1A, H314; Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Sens. 1, H317; Aquatic Acute 2, H401	
Alkyl ether amine (Proprietary)  ♦ Resp. Sens. 1, H334; STOT SE 1, H370-H371-H335-H336; STOT RE 2, H373; ♦ Skin Corr. 1A, H314; Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Skin Sens. 1, H317	10-25%
Corr. 1A, H314; Eye Dam. 1, H318; (1) Acute 10x. 4, H302; Skin Sens. 1, H317	

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98-54-4		td. of page 1
96-54-4	L - 11-11-11-11-11-11-11-11-11-11-11-11-1	10-25%
	Cycloaliphatic amines	] 10-25%
	<ul> <li>Resp. Sens. 1, H334; STOT SE 1, H370-H371-H335;</li> <li>Skin Corr. 1A, H314; Eye Dam.</li> <li>H318;</li> <li>↑ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332</li> </ul>	
	Aliphatic amine (Proprietary)	5.0-10.0%
	<ul> <li>Acute Tox. 2, H330;</li> <li>Resp. Sens. 1, H334; STOT SE 1, H370-H371-H335-H336;</li> <li>STOT RE 2, H373;</li> <li>Skin Corr. 1A, H314; Eye Dam. 1, H318;</li> <li>Acute Tox. 4, H302;</li> <li>Acute Tox. 4, H312; Skin Sens. 1, H317</li> </ul>	
1761-71-3	4,4'-methylenebis(cyclohexylamine)	5.0-10.0%
	STOT RE 2, H373; ♦ Skin Corr. 1A, H314; Eye Dam. 1, H318; ♦ Aquatic Chronic 2, H411; ↑ Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Acute 2, H401	
111-40-0	2,2'-iminodiethylamine	2.5-5.0%
	♦ Acute Tox. 2, H330; ♦ Skin Corr. 1B, H314; ♦ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; STOT SE 3, H335	1
84852-15-3	4-nonylphenol, branched	2.5-5.0%
	Repr. 2, H361; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302	
	Alkyl amine (Proprietary)	2.5-5.0%
	♠ Resp. Sens. 1, H334; STOT SE 1, H370-H371-H335-H336; STOT RE 2, H373; ♦ Skin Corr. 1A, H314; Eye Dam. 1, H318; ♠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317	1
100-51-6	Benzyl alcohol	2.5-5.0%
	1 Acute Tox. 4, H302; Acute Tox. 4, H332	1

## 3 Hazard(s) identification

#### · Classification of the substance or mixture



GHS06 Skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.



#### GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT SE 1 H370-H371 Causes damage to the skin, the respiratory system, the digestive system and the

stomach. Route of exposure: Oral, Inhalative, Dermal. May cause damage to the

central nervous system and the lung.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

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Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



H302 Harmful if swallowed. Acute Tox. 4

Skin Sens. 1 H317 May cause an allergic skin reaction.

#### Label elements

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms







GHS08



GHS05 GHS06

· Signal word Danger

## · Hazard-determining components of labeling:

Aliphatic amine (Proprietary) Alkyl ether amine (Proprietary) Alkyl phenol (Proprietary) 4-tert-butylphenol

## Hazard statements

Harmful if swallowed. H302 H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child. H361

H370-H371 Causes damage to the skin, the respiratory system, the digestive system and the stomach. Route of exposure: Oral, Inhalative, Dermal. May cause damage to the central nervous system and the

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P284 Wear respiratory protection.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment. P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing.

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P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P310 Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.

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

P391 Collect spillage. P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

#### · Classification system:

#### · NFPA ratings (scale 0 - 4)



#### · HMIS-ratings (scale 0 - 4)



#### 4 First-aid measures

### General information:

Personal protection for the First Aider.

Remove breathing apparatus only after contaminated clothing have been completely removed.

Immediately remove any clothing soiled by the product.

Take affected persons out of danger area and lay down.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

#### · After inhalation:

Call a doctor immediately.

Use a respiration bag or breathing device.

Take affected persons into fresh air and keep quiet.

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

#### · After skin contact:

Call a doctor immediately.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

#### · After eye contact:

Call a doctor immediately.

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### · After swallowing:

Call a doctor immediately.

Do not induce vomiting; immediately call for medical help.

Rinse out mouth and then drink plenty of water.

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#### 5 Fire-fighting measures

#### · Suitable extinguishing agents:

Foam

Carbon dioxide

Fire-extinguishing powder

Sand

Limestone powder

Use fire fighting measures that suit the environment.

## Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Nitrogen oxides (NOx)

Carbon monoxide (CÓ)

#### · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

#### Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Disposal of fire debris and contaminated fire fighting water in accordance with official regulations.

#### 6 Accidental release measures

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

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

### Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

#### · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

#### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

#### · Handling:

## · Precautions for safe handling

Ensure appropriate ventilation/exhaust at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires: Keep respiratory protective device available.

### · Storage:

#### Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Prevent any seepage into the ground.

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#### Information about storage in one common storage facility:

Do not store together with acids.

Do not store together with alkalis (caustic solutions).

Store away from oxidizing agents.

Store away from reducing agents.

Store away from metals.

### Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

· Specific end use(s) No further relevant information available.

#### 8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Components with limit values that require monitoring at the workplace:		
Aliphatic an	nine (Proprietary)	
ACGIH TLV	Short-term value: 0.1 mg/m³ (1994-09-01) Ceiling Limit Value	
NIOSH REL	Short-term value: 0.1 mg/m³ (1994-06-01) Ceiling Limit Value	
OSHA PEL	Short-term value: 0.1 mg/m³ (1989-03-01) Ceiling Limit Value	
111-40-0 2,2	'-iminodiethylamine	
REL	Long-term value: 4 mg/m³, 1 ppm Skin	
TLV	Long-term value: 4.2 mg/m³, 1 ppm Skin	
100-51-6 Be	nzyl alcohol	
WEEL	Long-term value: 10 ppm	

Additional information: The lists that were valid during the creation were used as basis.

#### · Personal protective equipment:

#### · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not inhale gases / fumes / aerosols.

## Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use selfcontained respiratory protective device.

#### Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

## · Material of gloves

Butyl rubber, BR

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Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

· Body protection: Impervious protective clothing

### 9 Physical and chemical properties

· General Information	
· Appearance:	
· Form:	Fluid
· Color:	Light brown
· Odor:	Ammonia-like
Odour threshold:	Not determined.
<sup>·</sup> pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
<ul> <li>Boiling point/Boiling range:</li> </ul>	201 °C (394 °F)
· Flash point:	101 °C (214 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	300 °C (572 °F)
<ul> <li>Decomposition temperature:</li> </ul>	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapor pressure:	Not determined.
Density at 20 °C (68 °F):	1.03 g/cm <sup>3</sup> (8.595 lbs/gal)
· Relative density	Not determined.
Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Segregation coefficient (n-octanol/water): Not determined.	

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· Viscosity:

· Dynamic: Not determined. · Kinematic: Not determined.

· Solvent content:

· Organic solvents: 3.1 % · VOC: 3.1 %

32.4 g/l / 0.27 lb/gl

Other information No further relevant information available.

## 10 Stability and reactivity

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Incompatible materials:

Reacts with strong acids.

Reacts with oxidizing agents.

· Hazardous decomposition products:

Poisonous gases/vapors Flammable gases/vapors

Nitrogen oxides

Ammonia

Aldehyde

## 11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:			
ATE (Acu	ATE (Acute Toxicity Estimates)		
Oral	LD50	1191 mg/kg	
Dermal	LD50	3119 mg/kg	
Inhalative	LC50/4h	3.18 mg/l	
Alkyl phei	nol (Propi	rietary)	
Oral	LD50	>2000 mg/kg (rat)	
Dermal	LD50	2288 mg/kg (rabbit)	
Inhalative	LC50/4h	5 mg/l (rat)	
Alkyl ethe	Alkyl ether amine (Proprietary)		
Oral	LD50	910 mg/kg (rat)	
98-54-4 4-	98-54-4 4-tert-butylphenol		
Oral	LD50	2951 mg/kg (rat)	
Dermal	LD50	2288 mg/kg (rabbit)	
Cycloaliphatic amines			
Oral	LD50	500 mg/kg (ATE)	
Dermal	LD50	1100 mg/kg (ATE)	
		11 mg/l (ATE)	
Aliphatic amine (Proprietary)			
Oral	LD50	930 mg/kg (rat)	
Dermal	LD50	2000 mg/kg (rabbit)	
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(Contd. of page 8) Inhalative LC50 3.89 mg/kg (rat) (1h) LC50/4h 0.8 mg/l (rat) (female) 1761-71-3 4,4'-methylenebis(cyclohexylamine) Oral LD50 380 mg/kg (rat) Dermal LD50 >1000 mg/kg (rabbit) 111-40-0 2,2'-iminodiethylamine Oral LD50 1553 mg/kg (rat) Dermal LD50 1045 mg/kg (rabbit) Inhalative LC50/4h 0.3 mg/l (rat) (OECD Guideline 403) 84852-15-3 4-nonviphenol, branched Oral LD50 1412 mg/kg (rat) (other guideline) Alkyl amine (Proprietary) LD50 500 mg/kg (ATE) Oral Dermal LD50 1100 mg/kg (ATE) Inhalative LC50/4h 11 mg/l (ATE) 100-51-6 Benzyl alcohol Oral LD50 1230 mg/kg (rat) Dermal LD50 2000 mg/kg (rabbit) Inhalative LC50/4h 4178 mg/l (rat)

## Primary irritant effect:

- on the skin: Strong caustic effect on skin and mucous membranes.
- · on the eye: Strong caustic effect.

#### · Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

#### · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Corrosive

Irritant

Very toxic

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## · Carcinogenic categories

· IARC (International Agency for Research on Cancer)		
None of the ingredients is listed.		
· NTP (National Toxicology Program)		
None of the ingredients is listed.		
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

## 12 Ecological information

· Aquatic toxicity:		
Alkyl phenol (Proprietary)		
LC50/96h	5 mg/l (Fish - Pimephales promelas)	
98-54-4 4-tert-butylphenol	<u> </u>	
EC50	2 mg/l (Daphnia magna) (OECD 211 - 21 days)	
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4.8 mg/l (Daphnia magna) (OECD 202)		
14 mg/l (Algae - Pseudokirchneriella subcapitata) (OECD 201)		
> 1 mg/l (Fish - Oncorhynchus mykiss) (OECD 203)		
0.73 mg/l (Daphnia magna) (OECD 202)		
0.32 mg/l (Algae - Pseudokirchneriella subcapitata) (OECD 201)		
ne)		
9.24 mg/l (Daphnia magna)		
140 mg/l (Algae)		
46 mg/l (Fish - Leuciscus idus)		
16 mg/l (Daphnia magna) (DIN 38412, part 11)		
430 mg/l (fish)		
0.14 mg/l (Daphnia magna) (EU Method C.2)		
1.3 mg/l (Algae - Desmodesmus subspicatus) (other guideline)		
0.23 mg/l (Fish - Oncorhynchus mykiss) (ASTM 1991 E729-88a)		
0.128 mg/l (Fish - Pimephales promelas) (ASTM 1991 E729-88a)		
0.024 mg/l (Daphnia magna) (OECD 202 (reproduction))		
0.006 mg/l (Fish - Oncorhynchus mykiss) (Study report acc. ASTM guideline)		
100-51-6 Benzyl alcohol		
55 mg/l (Daphnia magna)		
700 mg/l (Algae)		
10 mg/l (Fish - Lepomis macrochirus)		
460 mg/l (Fish - Pimephales promelas)		

- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
  - · Bioaccumulative potential No further relevant information available.
- · Ecotoxical effects:
  - · Remark: Toxic for fish
- Additional ecological information:
  - · General notes:

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

#### 13 Disposal considerations

- · Waste treatment methods
  - · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

### 14 Transport information

· UN-Number · DOT, ADR, IMDG, IATA	UN2735
· UN proper shipping name	
· DOT	Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Alkyl amine (Proprietary))
· ADR	2735 Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Alkyl amine (Proprietary)), ENVIRONMENTALLY HAZARDOUS
· IMDG	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENETRIAMINE, Alkyl amine (Proprietary), 4-
· IATA	nonylphenol, branched), MARINE POLLUTANT POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENETRIAMINE, Alkyl amine (Proprietary))

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## · Transport hazard class(es)

· DOT





· Class 8 Corrosive substances

· Label

· ADR, IMDG





· Class 8 Corrosive substances

· Label

·IATA



· Class 8 Corrosive substances

· Label

· Packing group

DOT, ADR, IMDG, IATA Ш

· Environmental hazards:

· Marine pollutant: Yes

Symbol (fish and tree)

· Special marking (ADR): Symbol (fish and tree)

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· Special precautions for user Warning: Corrosive substances

Danger code (Kemler):EMS Number:Segregation groupsAlkalis

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· DOT

• Quantity limitations On passenger aircraft/rail: 1 L On cargo aircraft only: 30 L

\* Remarks: Special marking with the symbol (fish and tree).

· ADR

· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

·IMDG

Limited quantities (LQ)Excepted quantities (EQ)Code: E2

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation": UN2735, Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine,

Alkyl amine (Proprietary)), ENVIRONMENTALLY HAZARDOUS, 8,

Ш

## 15 Regulatory information

· Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients of this product are included, or are exempted from inclusion in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory

Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

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#### · Carcinogenic categories

## · EPA (Environmental Protection Agency)

None of the ingredients is listed.

#### TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

#### · NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

## **Hazard pictograms**









· Signal word Danger

#### · Hazard-determining components of labeling:

Aliphatic amine (Proprietary) Alkyl ether amine (Proprietary) Alkyl phenol (Proprietary) 4-tert-butylphenol

#### · Hazard statements

H302 Harmful if swallowed. H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H361 Suspected of damaging fertility or the unborn child.

H370-H371 Causes damage to the skin, the respiratory system, the digestive system and the stomach. Route of

exposure: Oral, Inhalative, Dermal. May cause damage to the central nervous system and the lung.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

### · Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P284 Wear respiratory protection.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment. P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P310 Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.

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

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P391 Collect spillage. P405 Store locked up.

Store in a well-ventilated place. Keep container tightly closed. P403+P233

Dispose of contents/container in accordance with local/regional/national/international P501

regulations.

#### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: Occupational product safety department of Seal For Life Industries

· Contact:

Seal For Life Industries

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Date of preparation / last revision 04/24/2015 / 4

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Acute Tox. 2: Acute toxicity, Hazard Category 2
Acute Tox. 3: Acute toxicity, Hazard Category 3
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1 Aquatic Acute 2: Hazardous to the aquatic environment - AcuteHazard, Category 2

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

\* Data compared to the previous version altered.