

Safety Data Sheet
acc. to OSHA HCS

Printing date 07/14/2015

Version 9

Reviewed on 07/13/2015

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

Product identifier Powercrete R-95 Part B

Trade name: Powercrete R-95 Part B

Relevant identified uses of the substance or mixture and uses advised against

Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC9a Coatings and paints, thinners, paint removers

Process category

PROC10 Roller application or brushing

PROC11 Non industrial spraying

Environmental release category

ERC8f Wide dispersive outdoor use resulting in inclusion into or onto a matrix

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 - Powercrete™

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 Hazard(s) identification

Classification of the substance or mixture



GHS06 Skull and crossbones

Acute Tox. 3 H331 Toxic if inhaled.

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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, Inhalation, Dermal. May cause damage to the central nervous system, the lung, the skin and the respiratory system. Route of exposure: Oral, Inhalation.
STOT RE 2	H373	May cause damage to the liver and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation, Dermal.



GHS05 Corrosion

Skin Corr. 1A	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.



GHS09 Environment

Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
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GHS07

Acute Tox. 4	H302	Harmful if swallowed.
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



GHS05 GHS06 GHS08 GHS09

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.

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- H370-H371 Causes damage to the skin, the respiratory system, the digestive system and the stomach. Route of exposure: Oral, Inhalation, Dermal. May cause damage to the central nervous system, the lung, the skin and the respiratory system. Route of exposure: Oral, Inhalation.
- H373 May cause damage to the liver and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation, Dermal.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P260 Do not breathe dusts or mists.
- P284 Wear respiratory protection.
- P280 Wear protective gloves.
- P280 Wear 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.
- 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.

Other hazards

Results of PBT and vPvB assessment

- PBT:** Not available.
- vPvB:** Not available.

*** 3 Composition/information on ingredients**

Chemical characterization: Mixtures

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

Dangerous components:		
	Alkyl phenol (Proprietary) ☠ 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	10-25%
	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%
98-54-4	4-tert-butylphenol ☠ Repr. 2, H361; ☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315	10-25%
	Cycloaliphatic amines ☠ Resp. Sens. 1, H334; STOT SE 1, H370-H371-H335; ☠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ☠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	10-25%

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	Aliphatic amine (Proprietary) ⚠ Acute Tox. 2, H330; ⚠ 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; Skin Sens. 1, H317	5.0-10.0%
1761-71-3	4,4'-methylenebis(cyclohexylamine) ⚠ 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	5.0-10.0%
111-40-0	2,2'-iminodiethylamine ⚠ Acute Tox. 2, H330; ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; STOT SE 3, H335	2.5-5.0%
84852-15-3	4-nonylphenol, branched ⚠ Repr. 2, H361; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	2.5-5.0%
	Alkyl 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; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317	2.5-5.0%
100-51-6	Benzyl alcohol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332	2.5-5.0%

4 First-aid measures

Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.
Take affected persons out of danger area and lay down.
Personal protection for the First Aider.
Remove breathing apparatus only after contaminated clothing have been completely removed.
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.
Supply fresh air or oxygen; call for doctor.
Take affected persons into fresh air and keep quiet.
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.

Information for doctor:

Most important symptoms and effects, both acute and delayed

- Headache
- Dizziness
- Dizziness
- Unconsciousness
- Coughing
- Breathing difficulty
- Asthma attacks
- Nausea
- Gastric or intestinal disorders

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Cramp

Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.
Medical supervision for at least 48 hours.

*** 5 Fire-fighting measures**

Extinguishing media

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

During heating or in case of fire poisonous gases are produced.

In case of fire, the following can be released:

- Nitrogen oxides (NOx)
- Carbon monoxide (CO)

Advice for firefighters

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

Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Ensure adequate ventilation

Environmental precautions:

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

Methods and material for containment and cleaning up:

Ensure adequate ventilation.
Use neutralizing agent.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

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.

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

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Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.
Prevent any seepage into the ground.

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.

Control parameters

Components with limit values that require monitoring at the workplace:	
Aliphatic amine (Proprietary)	
ACGIH TLV	Short-term value: 0.1 mg/m ³ (1994-09-01) Ceiling Limit Value
NIOSH REL	Short-term value: 0.1 mg/m ³ (1994-06-01) Ceiling Limit Value
OSHA PEL	Short-term value: 0.1 mg/m ³ (1989-03-01) Ceiling Limit Value
111-40-0 2,2'-iminodiethylamine	
REL	Long-term value: 4 mg/m ³ , 1 ppm Skin
TLV	Long-term value: 4.2 mg/m ³ , 1 ppm Skin
100-51-6 Benzyl alcohol	
WEEL	Long-term value: 10 ppm

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
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.
Avoid contact with the eyes and skin.

Breathing equipment:

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

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Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

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

Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Fluid
Color:	Light brown
Odor:	Ammonia-like
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	201 °C (394 °F)
Flash point:	101 °C (214 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	300 °C (572 °F)
Decomposition temperature:	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/cm³ (8.595 lbs/gal)

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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.
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**

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions

- Reacts with acids.
- Reacts with oxidizing agents.
- Corrosive action on metals.
- Reacts with various metals.

Conditions to avoid No further relevant information available.

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**

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	1052 mg/kg
Dermal	LD50	2522 mg/kg
Inhalative	LC50/4h	3.18 mg/l

Alkyl phenol (Proprietary)

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	2288 mg/kg (rabbit)
Inhalative	LC50/4h	5 mg/l (rat)

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Alkyl ether amine (Proprietary)		
Oral	LD50	910 mg/kg (rat)
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)
Inhalative	LC50/4h	11 mg/l (ATE)
Aliphatic amine (Proprietary)		
Oral	LD50	930 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
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) (EPA OPP 81-1)
Dermal	LD50	2110 mg/kg (rabbit) (EPA OPP 81-2)
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-nonylphenol, branched		
Oral	LD50	1412 mg/kg (rat) (other guideline)
Alkyl amine (Proprietary)		
Oral	LD50	500 mg/kg (ATE)
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: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:
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.

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*** 12 Ecological information**

Toxicity

Aquatic toxicity:	
Alkyl phenol (Proprietary)	
LC50/96h	5 mg/l (Fish - Pimephales promelas)
98-54-4 4-tert-butylphenol	
EC50	2 mg/l (Daphnia magna) (OECD 211 - 21 days)
EC50/48h	4.8 mg/l (Daphnia magna) (OECD 202)
ErC50/72h - Inhibition of average growth rate	14 mg/l (Algae - Pseudokirchnerella subcapitata) (OECD 201)
LC50/96h	> 1 mg/l (Fish - Oncorhynchus mykiss) (OECD 203)
NOEC/21days	0.73 mg/l (Daphnia magna) (OECD 202)
NOEC/72h	0.32 mg/l (Algae - Pseudokirchnerella subcapitata) (OECD 201)
1761-71-3 4,4'-methylenebis(cyclohexylamine)	
EC50/48h	7.07 mg/l (Daphnia magna) (OECD 202)
EC50/72h	140 mg/l (Algae - Scenedesmus subspicatus) (DIN 38412, Part 9)
LC50/96h	68 mg/l (Fish - Leuciscus idus) (DIN 38 412, part L15)
111-40-0 2,2'-iminodiethylamine	
EC50/48h	16 mg/l (Daphnia magna) (DIN 38412, part 11)
LC50/96h	430 mg/l (fish)
84852-15-3 4-nonylphenol, branched	
EC50/48h	0.14 mg/l (Daphnia magna) (EU Method C.2)
EC50/72h	1.3 mg/l (Algae - Desmodesmus subspicatus) (other guideline)
LC50/96h	0.23 mg/l (Fish - Oncorhynchus mykiss) (ASTM 1991 E729-88a)
	0.128 mg/l (Fish - Pimephales promelas) (ASTM 1991 E729-88a)
NOEC/21days	0.024 mg/l (Daphnia magna) (OECD 202 (reproduction))
NOEC/91d	0.006 mg/l (Fish - Oncorhynchus mykiss) (Study report acc. ASTM guideline)
100-51-6 Benzyl alcohol	
EC50/24h	55 mg/l (Daphnia magna)
IC50/72h	700 mg/l (Algae)
LC50/96h	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.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes:

Avoid transfer into the environment.

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.

Results of PBT and vPvB assessment

PBT: Not available.

vPvB: Not available.

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Other adverse effects No further relevant information available.

*** 13 Disposal considerations**

Waste treatment methods




Recommendation:

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

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

*** 14 Transport information**

UN-Number	UN2735
DOT, ADR, IMDG, IATA	
UN proper shipping name	Polyamines, liquid, corrosive, n.o.s. (diethylenetriamine, Alkyl amine (Proprietary))
DOT	
ADR	2735 Polyamines, liquid, corrosive, n.o.s. (diethylenetriamine, Alkyl amine (Proprietary)), MARINE POLLUTANT/ ENVIRONMENTALLY HAZARDOUS
IMDG	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (diethylenetriamine, Alkyl amine (Proprietary)), MARINE POLLUTANT
IATA	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (diethylenetriamine, Alkyl amine (Proprietary))
Transport hazard class(es)	
DOT	
	
Class Label	8 Corrosive substances 8
<hr/>	
ADR, IMDG	
	
Class Label	8 Corrosive substances 8
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IATA	
	
Class Label	8 Corrosive substances 8

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Packing group DOT, ADR, IMDG, IATA	II
Environmental hazards: Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special precautions for user Danger code (Kemler): EMS Number: Segregation groups	Warning: Corrosive substances 80 F-A,S-B Alkalis
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT Quantity limitations Remarks:	On passenger aircraft/rail: 1 L On cargo aircraft only: 30 L 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)	1 L 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)), MARINE POLLUTANT/ ENVIRONMENTALLY HAZARDOUS, 8, II

*** 15 Regulatory information**
Safety, health and environmental regulations/legislation specific for the substance or mixture
 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.

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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.

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



GHS05 GHS06 GHS08 GHS09

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, Inhalation, Dermal. May cause damage to the central nervous system, the lung, the skin and the respiratory system. Route of exposure: Oral, Inhalation.
- H373 May cause damage to the liver and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation, Dermal.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P260 Do not breathe dusts or mists.
- P284 Wear respiratory protection.
- P280 Wear protective gloves.
- P280 Wear 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.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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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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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

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.**