

**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Printing date 07/08/2014

Version 7

Reviewed on 07/08/2014

**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)

**Application of the substance / the mixture** Epoxy curing agent

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Seal For Life Industries LLC - Powercrete  
25 Forge Parkway, Franklin, MA, 02038 USA  
Tel. (+1) 800-343-7875, Fax. (+1) 800-328-4822, Email: franklin@sealforlife.com

**Information department:** Product safety department of manufacturer / supplier

**Emergency telephone number:**

For 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.



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.



GHS05 Corrosion

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



GHS09 Environment

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



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).  
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**Trade name: Powercrete R 95 Part B**

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**Hazard pictograms**



**Signal word** Danger

**Hazard-determining components of labeling:**

Alkyl phenol (Proprietary)  
Alkyl ether amine (Proprietary)  
4-nonylphenol, branched  
Aliphatic amine (Proprietary)

**Hazard statements**

Harmful if swallowed.  
Toxic if inhaled.  
Causes severe skin burns and eye damage.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
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.  
May cause damage to organs through prolonged or repeated exposure.  
Toxic to aquatic life with long lasting effects.

**Precautionary statements**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
In case of inadequate ventilation wear respiratory protection.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



**HMIS-ratings (scale 0 - 4)**



**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.

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<b>Dangerous components:</b>		
	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; 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 ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; H401	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%
	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%
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; H401	5.0-10%
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%

**SVHC** None.

**4 First-aid measures**

**Description of first aid measures**

**General information:**

Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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

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

**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:**

Remove contaminated clothing

Flush immediately with plenty of water

Call a doctor immediately.

Cover wound with a sterile dressing.

Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Call a doctor immediately.

Remove any contact lenses

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

**After swallowing:**

Rinse mouth with water

Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing

A person vomiting while lying on his/her back should be turned onto his/her side.

Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately call a doctor.

**Most important symptoms and effects, both acute and delayed**

Headache

Dizziness

Dizziness

Unconsciousness

Coughing

Breathing difficulty

Asthma attacks

Nausea

Gastric or intestinal disorders

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.

**For safety reasons unsuitable extinguishing agents:** Water spray

**Special hazards arising from the substance or mixture**

Nitrogen oxides (NOx)

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

nitrogen containing compounds

**Advice for firefighters**

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

Mouth respiratory protective device.

**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 clothing.

Keep people at a distance and stay upwind.

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:**

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course.

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

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

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**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**

**Precautions for safe handling**

At all times avoid inhalation of the product and contact with skin and eyes  
Do not eat, drink or smoke while handling the product  
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.

**Conditions for safe storage, including any incompatibilities**

**Storage:**

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

Store only in the original receptacle.  
Provide floor trough without outlet.

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

Store away from oxidizing agents.  
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

**Further information about storage conditions:**

Store in a dry, cool, well ventilated place  
Keep receptacle tightly sealed.

**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**

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

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

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**Exposure controls**

**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.

**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.

**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**

Recommended material:

Neoprene 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:**

Use protective suit.  
Impervious protective clothing

**\* 9 Physical and chemical properties**

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	Light brown
<b>Odor:</b>	Ammonia-like
<b>Odour threshold:</b>	Not determined.

**pH-value:** Not determined.

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	201 °C (394 °F)

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<b>Flash point:</b>	101 °C (214 °F)
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	300 °C (572 °F)
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not determined.
<b>Density at 20 °C (68 °F):</b>	1.03 g/cm <sup>3</sup> (8.595 lbs/gal)
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
<b>Segregation coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	3.1 %
<b>VOC content:</b>	3.1 %
	32.4 g/l / 0.27 lb/gl
<b>Other information</b>	No further relevant information available.

**10 Stability and reactivity**

**Reactivity**

**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 alkaline metals.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:**

- Reacts with strong acids.
- Strong oxydizing agents

**Hazardous decomposition products:**

- Nitrogen oxides
- Ammonia
- Nitrogen containing compounds
- Aldehyde
- Flammable gases/vapors

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**\* 11 Toxicological information**

**Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

<b>Alkyl phenol (Proprietary)</b>		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	2288 mg/kg (rabbit)
Inhalative	LC50/4h	5 mg/l (rat)
<b>Alkyl ether amine (Proprietary)</b>		
Oral	LD50	910 mg/kg (rat)
<b>98-54-4 4-tert-butylphenol</b>		
Oral	LD50	2951 mg/kg (rat)
Dermal	LD50	2288 mg/kg (rabbit)
<b>Aliphatic amine (Proprietary)</b>		
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)
<b>1761-71-3 4,4'-methylenebis(cyclohexylamine)</b>		
Oral	LD50	380 mg/kg (rat)
Dermal	LD50	>1000 mg/kg (rabbit)
<b>111-40-0 2,2'-iminodiethylamine</b>		
Oral	LD50	1080 mg/kg (rat)
Dermal	LD50	1090 mg/kg (rabbit)
Inhalative	LC50/4h	0.3 mg/l (rat) (OECD Guideline 403)
<b>84852-15-3 4-nonylphenol, branched</b>		
Oral	LD50	1300 mg/kg (rat)
<b>100-51-6 Benzyl alcohol</b>		
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.

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**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**

**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 - Pseudokirchneriella 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 - Pseudokirchneriella subcapitata) (OECD 201)

**1761-71-3 4,4'-methylenebis(cyclohexylamine)**

EC50/48h	9.24 mg/l (Daphnia magna)
EC50/72h	140 mg/l (Algae)
LC50/96h	46 mg/l (Fish - Leuciscus idus)

**111-40-0 2,2'-iminodiethylamine**

LC50/48h	16 mg/l (Daphnia magna)
LC50/96h	430 mg/l (fish)

**84852-15-3 4-nonylphenol, branched**

LC50/96h	0.23 mg/l (Fish - Oncorhynchus mykiss)
	0.138 mg/l (Fish - Pimephales promelas)

**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.

**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:**

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.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms

**Results of PBT and vPvB assessment**

**PBT:** Not available.

**vPvB:** Not available.

**Other adverse effects** No further relevant information available.

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**\* 13 Disposal considerations**

**Waste treatment methods**

**Recommendation:**

Dispose safely in accordance with local and national legislations  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:**

**Recommendation:**

Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

**\* 14 Transport information**

<b>UN-Number</b> DOT, ADR, IMDG, IATA	UN2735
<b>UN proper shipping name</b> DOT	Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Aliphatic amine (Proprietary))
<b>ADR</b>	2735 Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Aliphatic amine (Proprietary)), MARINE POLLUTANT/ ENVIRONMENTALLY HAZARDOUS
<b>IMDG</b>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENETRIAMINE, Aliphatic amine (Proprietary), 4-nonylphenol, branched ), MARINE POLLUTANT
<b>IATA</b>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENETRIAMINE, Aliphatic amine (Proprietary))
<b>Transport hazard class(es)</b>	
<b>DOT</b>	
<b>Class Label</b>	8 Corrosive substances 8
<b>ADR, IMDG</b>	
<b>Class Label</b>	8 Corrosive substances 8
<b>IATA</b>	
<b>Class Label</b>	8 Corrosive substances 8

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<b>Packing group</b> DOT, ADR, IMDG, IATA	III
<b>Environmental hazards:</b>	Product contains environmentally hazardous substances: 4-tert-butylphenol, 4-nonylphenol, branched
<b>Marine pollutant:</b>	Yes Symbol (fish and tree)
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>Special precautions for user</b>	Warning: Corrosive substances
<b>Danger code (Kemler):</b>	80
<b>EMS Number:</b>	F-A,S-B
<b>Segregation groups</b>	Alkalis
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>DOT</b> <b>Remarks:</b>	Special marking with the symbol (fish and tree).
<b>ADR</b> <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>IMDG</b> <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
<b>UN "Model Regulation":</b>	UN2735, Polyamines, liquid, corrosive, n.o.s. (Diethylenetriamine, Aliphatic amine (Proprietary)), MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS, 8, III

**\* 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):**

	Alkyl phenol (Proprietary)
	Alkyl ether amine (Proprietary)
98-54-4	4-tert-butylphenol
	Cycloaliphatic amines
	Aliphatic amine (Proprietary)
1761-71-3	4,4'-methylenebis(cyclohexylamine)
111-40-0	2,2'-iminodiethylamine
84852-15-3	4-nonylphenol, branched
	Alkyl amine (Proprietary)
67762-90-7	Siloxanes and silicones, di-Me, reaction products with silica
100-51-6	Benzyl alcohol

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**Proposition 65**

<b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
<b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.
<b>Chemicals known to cause reproductive toxicity for males:</b>
None of the ingredients is listed.
<b>Chemicals known to cause developmental toxicity:</b>
None of the ingredients is listed.

**Carcinogenic categories**

<b>EPA (Environmental Protection Agency)</b>
None of the ingredients is listed.
<b>TLV (Threshold Limit Value established by ACGIH)</b>
None of the ingredients is listed.
<b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
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:**

- Alkyl phenol (Proprietary)
- Alkyl ether amine (Proprietary)
- 4-nonylphenol, branched
- Aliphatic amine (Proprietary)

**Hazard statements**

- Harmful if swallowed.
- Toxic if inhaled.
- Causes severe skin burns and eye damage.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- May cause an allergic skin reaction.
- Suspected of damaging fertility or the unborn child.
- 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.
- May cause damage to organs through prolonged or repeated exposure.
- Toxic to aquatic life with long lasting effects.

**Precautionary statements**

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- In case of inadequate ventilation wear respiratory protection.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

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

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**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

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Version 7

Reviewed on 07/08/2014

**Trade name: Powercrete R 95 Part B**

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## 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:** Product safety department

**Contact:**

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**Date of preparation / last revision** 07/08/2014 / 6

**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  
: 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.**