

Safety Data Sheet
acc. to OSHA HCS

Printing date 11/29/2018

Version 6

Reviewed on 11/29/2018

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

Product identifier Powercrete J Part A

Trade name: Powercrete J Part A

Application of the substance / the mixture Epoxy resin

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, CCN22955; Outside USA/Canada +1 703-527-3887 (collect calls accepted)

*** 2 Hazard(s) identification**

Classification of the substance or mixture



GHS08 Health hazard

Repr. 1A H360 May damage fertility or the unborn child.



GHS09 Environment

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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Eye Irrit. 2A H319 Causes serious eye irritation.
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



Signal word Danger

Hazard-determining components of labeling:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
bisphenol A
oxirane, 2-(chloromethyl)-, polymer with α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)]
Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see on this label).
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.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P405 Store locked up.
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.

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*** 3 Composition/information on ingredients**

Chemical characterization: Mixtures

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

Dangerous components:		
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	25-50%
9072-62-2	oxirane, 2-(chloromethyl)-, polymer with α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)] ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	≥ 2.5 - ≤ 10 %
67924-34-9	Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol] ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Aquatic Chronic 4, H413	≥ 1 - ≤ 5 %
80-05-7	bisphenol A ⚠ Repr. 1B, H360; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317; STOT SE 3, H335	0.1-0.5%

4 First-aid measures

Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation:

Take affected persons into fresh air and keep quiet.

Supply fresh air and to be sure call for a doctor.

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

After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water.

Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

Water haze

Foam

Fire-extinguishing powder

Carbon dioxide

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:

Hydrogen chloride (HCl)

Carbon monoxide (CO)

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

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

*** 6 Accidental release measures**

Personal precautions, protective equipment and emergency procedures Wear protective clothing.

Environmental precautions:

Do not allow to penetrate the ground/soil.

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

In case of seepage into the ground inform responsible authorities.

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

Methods and material for containment and cleaning up:

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

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.

Protective Action Criteria for Chemicals

PAC-1:		
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	90 mg/m ³
9072-62-2	oxirane, 2-(chloromethyl)-, polymer with α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)]	30 mg/m ³
67762-90-7	Siloxanes and silicones, di-Me, reaction products with silica	120 mg/m ³
80-05-7	bisphenol A	15 mg/m ³
14808-60-7	Quartz (SiO ₂)	0.075 mg/m ³
1313-13-9	manganese dioxide	4.7 mg/m ³
1344-28-1	aluminium oxide	15 mg/m ³
106-89-8	epichlorohydrin	1.7 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
PAC-2:		
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	990 mg/m ³
9072-62-2	oxirane, 2-(chloromethyl)-, polymer with α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)]	330 mg/m ³
67762-90-7	Siloxanes and silicones, di-Me, reaction products with silica	1,300 mg/m ³
80-05-7	bisphenol A	110 mg/m ³
14808-60-7	Quartz (SiO ₂)	33 mg/m ³
1313-13-9	manganese dioxide	7.9 mg/m ³
1344-28-1	aluminium oxide	170 mg/m ³
106-89-8	epichlorohydrin	24 ppm
7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
PAC-3:		
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	5,900 mg/m ³
9072-62-2	oxirane, 2-(chloromethyl)-, polymer with α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)]	2,000 mg/m ³
67762-90-7	Siloxanes and silicones, di-Me, reaction products with silica	7,900 mg/m ³
80-05-7	bisphenol A	650 mg/m ³
14808-60-7	Quartz (SiO ₂)	200 mg/m ³
1313-13-9	manganese dioxide	690 mg/m ³
1344-28-1	aluminium oxide	990 mg/m ³
106-89-8	epichlorohydrin	72 ppm

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7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³

*** 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 ignition sources away - Do not smoke.

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions:

Store in dry conditions.

Keep receptacle tightly sealed.

Protect from heat and direct sunlight.

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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)		
Oral	DNEL - Systemic effect, acute/short term exposure	0.75 mg/kg bw/day (General population)
	DNEL - Systemic effect, long term exposure	0.75 mg/kg bw/day (General population)
Dermal	DNEL - Systemic effect, acute/short term exposure	3.571 mg/kg bw/day (General population)
		8.33 mg/kg bw/day (Workers)
	DNEL - Systemic effect, long term exposure	3.571 mg/kg bw/day (General population)
		8.33 mg/kg bw/day (Workers)
Inhalative	DNEL - Systemic effect, acute/short term exposure	12.25 mg/m ³ (Workers)
	DNEL - Systemic effect, long term exposure	12.25 mg/m ³ (Workers)
80-05-7 bisphenol A		
Oral	DNEL - Systemic effect, acute/short term exposure	0.004 mg/kg bw/day (General population)
	DNEL - Systemic effect, long term exposure	0.004 mg/kg bw/day (General population)
Dermal	DNEL - Systemic effect, acute/short term exposure	0.002 mg/kg bw/day (General population)
		0.031 mg/kg bw/day (Workers)
	DNEL - Systemic effect, long term exposure	0.002 mg/kg bw/day (General population)
		0.031 mg/kg bw/day (Workers)
Inhalative	DNEL - Systemic effect, acute/short term exposure	1 mg/m ³ (General population)
		2 mg/m ³ (Workers)
	DNEL - Local effect, acute/short term exposure	1 mg/m ³ (General population)
		2 mg/m ³ (Workers)

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	DNEL - Systemic effect, long term exposure	1 mg/m3 (General population) 2 mg/m3 (Workers)
	DNEL - Local effect, long term exposure	1 mg/m3 (General population) 2 mg/m3 (Workers)
PNECs		
25068-38-6 reaction product: bisphenol-A(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)		
Oral	PNEC - Oral	11 mg/kg food (Predators)
	PNEC - Fresh water	0.006 mg/l (Aquatic organisms)
	PNEC - Marine water	0.001 mg/l (Aquatic organisms)
	PNEC - Fresh water, intermittent releases	0.018 mg/l (Aquatic organisms)
	PNEC - STP	10 mg/l (Aquatic organisms)
	PNEC - Sediment, fresh water	0.996 mg/kg sedim dw (Aquatic organisms)
	PNEC - Sediment, marine water	0.1 mg/kg sedim dw (Aquatic organisms)
	PNEC - Soil	0.196 mg/kg soil dw (Terrestrial organisms)
80-05-7 bisphenol A		
	PNEC - Fresh water	0.018 mg/l (Aquatic organisms)
	PNEC - Marine water	0.018 mg/l (Aquatic organisms)
	PNEC - Fresh water, intermittent releases	0.011 mg/l (Aquatic organisms)
	PNEC - STP	320 mg/l (Aquatic organisms)
	PNEC - Sediment, fresh water	1.2 mg/kg sedim dw (Aquatic organisms)
	PNEC - Sediment, marine water	0.24 mg/kg sedim dw (Aquatic organisms)
	PNEC - Soil	3.7 mg/kg soil dw (Terrestrial organisms)

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 and skin.
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:

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



Protective gloves

Material of gloves

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.

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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: Protective work clothing

*** 9 Physical and chemical properties**

Information on basic physical and chemical properties

General Information

Appearance:

Form:

Viscous

Color:

Brown

Odor:

Mild

Odor threshold:

Not determined.

pH-value:

Not determined.

Change in condition

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

>200 °C (>392 °F)

Flash point:

>93 °C (>199.4 °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):

1.85 g/cm³ (15.44 lbs/gal)

Relative density

Not determined.

Vapor 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:

VOC (US):

0.00 %

0.0 g/l / 0.00 lb/gal

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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 No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials:

Reacts with oxidizing agents.

Reacts with strong acids.

Hazardous decomposition products: No dangerous decomposition products known.

*** 11 Toxicological information**

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral LD50 >5,592-<6,141 mg/kg (rat)

Dermal LD50 6,630-<7,001 mg/kg (rat)

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Oral LD50 >2,000 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat) (OECD 402)

9072-62-2 oxirane, 2-(chloromethyl)-, polymer with α-hydro-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)]

Oral LD50 >2,000 mg/kg (rat)

67924-34-9 Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene) bis[phenol]

Oral LD50 >2,000 mg/kg (rat) (OECD 420)

Dermal LD50 >2,000 mg/kg (rat) (OECD 402)

80-05-7 bisphenol A

Oral LD50 3,250 mg/kg (rat)

Dermal LD50 3,000 mg/kg (rabbit)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

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

Carcinogenic categories

IARC (International Agency for Research on Cancer)

14808-60-7	Quartz (SiO ₂)	1
122-60-1	phenyl glycidyl ether	2B
106-89-8	epichlorohydrin	2A
7631-86-9	silicon dioxide, chemically prepared	3

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NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO ₂)	K
106-89-8	epichlorohydrin	R
OSHA-Ca (Occupational Safety & Health Administration)		
67924-34-9	Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene) bis[phenol]	

* **12 Ecological information**

Toxicity

Aquatic toxicity:	
25068-38-6 reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700)	
LC50/96h	1.5 mg/l (Fish - Oncorhynchus mykiss) 2.4 mg/l (Fish - Brachydanio rerio)
EC50/24h	4.9 mg/l (Daphnia magna) (EPA-660/3-75-009)
EC50/48h	1.7 mg/l (Daphnia magna) (OECD 202)
9072-62-2 oxirane, 2-(chloromethyl)-, polymer with α-hydro-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)]	
LC50	>100 mg/l (fish)
EC50/24h	>320 mg/l (Daphnia magna)
80-05-7 bisphenol A	
LC50/96h	11 mg/l (Fish - Cyprinodon variegatus) (OECD nr. 203)
EC50/96h	1.1 mg/l (Algae - Skeletonema costatum)
EC50/48h	10.2 mg/l (Daphnia magna)

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:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (Self-assessment): hazardous for water

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

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

Results of PBT and vPvB assessment

PBT: Not available.

vPvB: Not available.

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.

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Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

*** 14 Transport information**

UN-Number DOT, ADR, IMDG, IATA	UN3082
UN proper shipping name DOT ADR IMDG IATA	Environmentally hazardous substances, liquid, n.o.s. (Bisphenol-A / epichlorhydrin epoxy resin) 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A / epichlorhydrin epoxy resin) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A / epichlorhydrin epoxy resin), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A / epichlorhydrin epoxy resin)
Transport hazard class(es) DOT, ADR, IMDG, IATA  Class Label	9 Miscellaneous dangerous substances and articles 9
Packing group DOT, ADR, IMDG, IATA	III
Environmental hazards: Marine pollutant: Special marking (ADR): Special marking (IATA):	Product contains environmentally hazardous substances: Bisphenol-A / epichlorhydrin epoxy resin Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
Special precautions for user Danger code (Kemler): EMS Number: Stowage Category	Warning: Miscellaneous dangerous substances and articles 90 F-A,S-F A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information: DOT Remarks: ADR Excepted quantities (EQ)	Special marking with the symbol (fish and tree). Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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IMDG	5L
Limited quantities (LQ)	Code: E1
Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL-A / EPICHLORHYDRIN EPOXY RESIN), 9, III

*** 15 Regulatory information**

Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara

Section 355 (extremely hazardous substances):	
106-89-8	epichlorohydrin

Section 313 (Specific toxic chemical listings):	
80-05-7	bisphenol A
1313-13-9	manganese dioxide
1344-28-1	aluminium oxide
106-89-8	epichlorohydrin

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	

TSCA new (21st Century Act) (Substances not listed)	
9072-62-2	oxirane, 2-(chloromethyl)-, polymer with α-hydro-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)]
67924-34-9	Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene) bis[phenol]

Proposition 65

Chemicals known to cause cancer:	
14808-60-7	Quartz (SiO ₂)
122-60-1	phenyl glycidyl ether
106-89-8	epichlorohydrin

Chemicals known to cause reproductive toxicity for females:	
80-05-7	bisphenol A

Chemicals known to cause reproductive toxicity for males:	
106-89-8	epichlorohydrin

Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	

New Jersey Right-to-Know List:	
1317-65-3	Calcium carbonate
80-05-7	bisphenol A
14808-60-7	Quartz (SiO ₂)
1344-28-1	aluminium oxide
122-60-1	phenyl glycidyl ether
106-89-8	epichlorohydrin
7631-86-9	silicon dioxide, chemically prepared

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New Jersey Special Hazardous Substance List:		
14808-60-7	Quartz (SiO ₂)	CA
122-60-1	phenyl glycidyl ether	CA
106-89-8	epichlorohydrin	CA, MU, F3, R2

Pennsylvania Right-to-Know List:		
1317-65-3	Calcium carbonate	
80-05-7	bisphenol A	
14808-60-7	Quartz (SiO ₂)	
1344-28-1	aluminium oxide	
122-60-1	phenyl glycidyl ether	
106-89-8	epichlorohydrin	
7631-86-9	silicon dioxide, chemically prepared	

Pennsylvania Special Hazardous Substance List:		
80-05-7	bisphenol A	E
1344-28-1	aluminium oxide	E
106-89-8	epichlorohydrin	ES

Carcinogenic categories

EPA (Environmental Protection Agency)		
1313-13-9	manganese dioxide	D
106-89-8	epichlorohydrin	B2

TLV (Threshold Limit Value established by ACGIH)		
14808-60-7	Quartz (SiO ₂)	A2
1344-28-1	aluminium oxide	A4
122-60-1	phenyl glycidyl ether	A3
106-89-8	epichlorohydrin	A3

NIOSH-Ca (National Institute for Occupational Safety and Health)		
14808-60-7	Quartz (SiO ₂)	
122-60-1	phenyl glycidyl ether	
106-89-8	epichlorohydrin	

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:

reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight \leq 700)
bisphenol A

oxirane, 2-(chloromethyl)-, polymer with α -hydro- ω -hydroxypoly[oxy(methyl-1,2-ethanediyl)]

Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H360 May damage fertility or the unborn child.

H411 Toxic to aquatic life with long lasting effects.

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Safety Data Sheet acc. to OSHA HCS

Printing date 11/29/2018

Version 6

Reviewed on 11/29/2018

Trade name: Powercrete J Part A

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Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see on this label).
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.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
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:

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Date of preparation / last revision 11/29/2018 / 5

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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 1A: Reproductive toxicity – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

*** Data compared to the previous version altered.**