

Reviewed on 06/26/2015

1 Identification

- · Product identifier
- · Trade name: *Epoxy CR-2100 Part A*
- · Article number: EP CR-2100 PT A
- \cdot Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:
- AquaBond LLC
- 6444 E Spring St #275
- Long Beach, CA 90815

USA

· EMERGENCY PHONE: For product emergency involving spill, leak, fire,

Safety Data Sheet acc. to OSHA HCS

- exposure, or accident call CHEMTREC at
- \cdot (800) 424-9300. For all other inquires call AquaBond LLC at (714) 961-1420

2 Hazard(s) identification

· Classification of the substance or mixture

GHS08 Health hazard

Carc. 1A H350 May cause cancer.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

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

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

X Irritant

- Irritating to eyes and skin. May cause sensitisation by skin contact.
- · Information concerning particular hazards for human and environment:
- The product has to be labeled due to the calculation procedure of international guidelines.
- · Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· Label elements

• Labelling according to EU guidelines: The product has been classified and marked in accordance with directives on hazardous materials.

· Code letter and hazard designation of product:



• **Hazard-determining components of labeling:** Epoxy Resin - Proprietary 1,4-bis(2,3-epoxypropoxy)butane

(Contd. on page 2)

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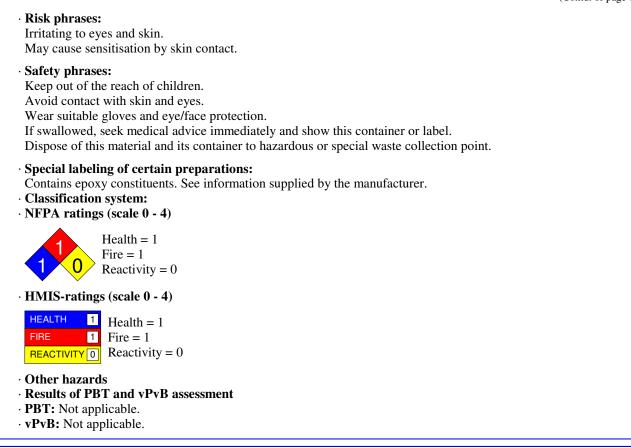
Aqua Bond

Printing date 06/26/2015

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

(Contd. of page 1)



Safety Data Sheet acc. to OSHA HCS

3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:		
	Epoxy Resin - Proprietary	25-50%
14808-60-7	Quartz (SiO2)	25-50%
2425-79-8	1,4-bis(2,3-epoxypropoxy)butane	2.5-10%

4 First-aid measures

· Description of first aid measures

· After inhalation:

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: 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: If symptoms persist consult doctor.
- · Information for doctor:

· Most important symptoms and effects, both acute and delayed No further relevant information available.

(Contd. on page 3)

Aqua

Safety Data Sheet acc. to OSHA HCS

Printing date 06/26/2015

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

• Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- Protective equipment: No special measures required.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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 good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep receptacle tightly sealed.
- \cdot 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 mo	nitoring at	the workplace:

14808-60-7 Quartz (SiO2)

PEL see Quartz listing

- REL Long-term value: 0.05* mg/m³
 - *respirable dust; See Pocket Guide App. A
- TLV Long-term value: 0.025* mg/m³
 - *as respirable fraction

(Contd. on page 4)

(Contd. of page 2)

US



Printing date 06/26/2015

Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

	(Contd. of page 3)
Additiona	al information: The lists that were valid during the creation were used as basis.
Exposure	controls
	protective equipment:
	protective and hygienic measures:
	y from foodstuffs, beverages and feed.
	ely remove all soiled and contaminated clothing.
Wash han	ds before breaks and at the end of work.
Avoid cor	tact with the eyes and skin.
Breathing	g equipment:
In case of	brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use
respirator	y protective device that is independent of circulating air.
Protection	n of hands:
THIS I	Protective gloves
The glove	material has to be impermeable and resistant to the product/ the substance/ the preparation.
	ssing tests no recommendation to the glove material can be given for the product/ the preparation/ the
Selection	of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material	
The select	tion of the suitable gloves does not only depend on the material, but also on further marks of quality and
	m manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of
	material can not be calculated in advance and has therefore to be checked prior to the application.
	on time of glove material
The exact observed.	t break through time has to be found out by the manufacturer of the protective gloves and has to be
-	

· Eye protection:



Tightly sealed goggles

 Information on basic physical and chemical properties General Information 		
Appearance:		
Form:	Liquid	
Color:	Clear	
Odor:	Characteristic	
Odour threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/Melting range:	Undetermined.	
Boiling point/Boiling range:	261 °C (502 °F)	
Flash point:	249 °C (480 °F)	
Flammability (solid, gaseous):	Not applicable.	



Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

	(Con	ntd. of page 4
· Ignition temperature:		
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):	1.62 g/cm ³ (13.519 lbs/gal)	
· Relative density	Not determined.	
· Vapour density	Not determined.	
· Evaporation rate	Not determined.	
\cdot Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/wat	ter): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	0.0~%	
· Other information	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 No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- \cdot Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- \cdot on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- \cdot Sensitization: Sensitization possible through skin contact.
- \cdot Additional toxicological information:

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

(Contd. on page 6)

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Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

		(Contd. of page 5)	
· Carcinogen	· Carcinogenic categories		
· IARC (Inte	rnational Agency for Research on Cancer)		
14808-60-7	Quartz (SiO2)	1	
1309-37-1	diiron trioxide	3	
13463-67-7	titanium dioxide	2B	
· NTP (Natio	nal Toxicology Program)		
14808-60-7	Quartz (SiO2)	K	
· OSHA-Ca (· OSHA-Ca (Occupational Safety & Health Administration)		
None of the	ingredients is listed.		

12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- 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.
- · Additional ecological information:
- · General notes:
- 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.
- \cdot Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- \cdot 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.

· UN-Number	
· DOT, ADN, IATA	not regulated
· IMDG	UN3082
· UN proper shipping name	
· DOT, ADN, IATA	not regulated
· IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUII
	N.O.S., MARINE POLLUTANT



Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

	(Contd. of page
· Transport hazard class(es)	
· DOT, ADN, IATA · Class	not regulated
· IMDG	
· Class · Label	9 Miscellaneous dangerous substances and articles 9
 Packing group DOT, IATA IMDG 	not regulated III
 Environmental hazards: Marine pollutant: 	Product contains environmentally hazardous substances BISPHENOL A EPOXY RESIN Yes Symbol (fish and tree)
 Special precautions for user EMS Number: 	Not applicable. F-A,S-F
• Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.
· Transport/Additional information:	
 IMDG Limited quantities (LQ) Excepted quantities (EQ) 	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	-

15 Regulatory information

- \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara
- \cdot Section 355 (extremely hazardous substances):
- None of the ingredients is listed.
- · Section 313 (Specific toxic chemical listings):
- 1344-28-1 aluminium oxide
- · TSCA (Toxic Substances Control Act):
- All ingredients are listed.
- · Proposition 65
- \cdot Chemicals known to cause cancer:
- 14808-60-7 Quartz (SiO2)
- 13463-67-7 titanium dioxide

(Contd. on page 8)

⁻ US



Printing date 06/26/2015

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

		(Contd. of page 7)
· Chemicals l	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.	
· Carcinogen	ic categories	
· EPA (Envir	ronmental Protection Agency)	
None of the	ingredients is listed.	
· TLV (Three	shold Limit Value established by ACGIH)	
14808-60-7	Quartz (SiO2)	A2
1344-28-1	aluminium oxide	A4
1309-37-1	diiron trioxide	A4
13463-67-7	titanium dioxide	A4
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	· · ·
14808-60-7	Quartz (SiO2)	
13463-67-7	titanium dioxide	

· Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols:



• **Hazard-determining components of labeling:** Epoxy Resin - Proprietary 1,4-bis(2,3-epoxypropoxy)butane

Risk phrases: Irritating to eyes and skin. May cause sensitisation by skin contact.

· Safety phrases:

Keep out of the reach of children. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label. Dispose of this material and its container to hazardous or special waste collection point.

· Special labeling of certain preparations:

Contains epoxy constituents. See information supplied by the manufacturer.

· 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: Environment protection department.



Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part A

	(Contd. of pag
(Contact: Mr. Edward Poznysz, VP of Technologies: epoznysz@resindesigns.com
I	Date of preparation / last revision 06/26/2015 / -
A	Abbreviations and acronyms:
A	ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carr
0	of Dangerous Goods by Road)
Π	MDG: International Maritime Code for Dangerous Goods
Ľ	DOT: US Department of Transportation
L	ATA: International Air Transport Association
A	ACGIH: American Conference of Governmental Industrial Hygienists
E	EINECS: European Inventory of Existing Commercial Chemical Substances
E	ELINCS: European List of Notified Chemical Substances
C	CAS: Chemical Abstracts Service (division of the American Chemical Society)
N	VFPA: National Fire Protection Association (USA)
Н	HMIS: Hazardous Materials Identification System (USA)
S	Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
E	Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
S	Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
C	Carc. 1A: Carcinogenicity, Hazard Category 1A

Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/26/2015

1 Identification

- · Product identifier
- Trade name: Epoxy CR-2100 Part B
- · Article number: EP CR-2100 PT B
- · Details of the supplier of the safety data sheet

· Manufacturer/Supplier: AquaBond LLC 6444 E Spring St #275 Long Beach, CA 90815 USA

· EMERGENCY PHONE: For product emergency involving spill, leak, fire,

- exposure, or accident call CHEMTREC at
- · (800) 424-9300. For all other inquires call AquaBond LLC at (714) 961-1420

2 Hazard(s) identification

· Classification of the substance or mixture

GHS08 Health hazard

Muta. 2 H341 Suspected of causing genetic defects.

Carc. 1A H350 May cause cancer.

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

GHS05 Corrosion

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

Eye Dam. 1 H318 Causes serious eye damage.

GHS07

Acute Tox. 4 H302 Harmful if swallowed. Acute Tox. 4 H332 Harmful if inhaled. Skin Sens. 1 H317 May cause an allergic skin reaction.

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Toxic 1

Toxic by inhalation, in contact with skin and if swallowed.

Corrosive

Causes burns.



Harmful

Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Possible risk of irreversible effects.

Irritant

May cause sensitisation by skin contact.

(Contd. on page 2)

US

Printing date 06/26/2015

Trade name: Epoxy CR-2100 Part B

(Contd. of page 1) · Information concerning particular hazards for human and environment: The product has to be labeled due to the calculation procedure of international guidelines. · Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data. · Label elements · Labelling according to EU guidelines: The product has been classified and marked in accordance with directives on hazardous materials. · Code letter and hazard designation of product: Toxic phenol diethylenetriamine Dimethylamino(methyl)phenol Toxic by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Keep locked up and out of the reach of children. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

- · NFPA ratings (scale 0 4)



· HMIS-ratings (scale 0 - 4)

HEALTH *3 Health = *3FIRE 1 Fire = 1REACTIVITY 0 Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB**: Not applicable.

(Contd. on page 3)

Reviewed on 06/26/2015

· Hazard-determining components of labeling:

Propan-1,3-diamine, n-[3-tridecycloxy)propyl]-,branched (adogen 583)

· Risk phrases:

Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

Possible risk of irreversible effects.

· Safety phrases:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

· Classification system:

Printing date 06/26/2015

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part B

(Contd. of page 2)

3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:		
14808-60-7	Quartz (SiO2)	25-50%
108-95-2	phenol	10-25%
111-40-0	diethylenetriamine	2.5-10%
	Propan-1,3-diamine, n-[3-tridecycloxy)propyl]-,branched (adogen 583)	≤ 2.5%
25338-55-0	Dimethylamino(methyl)phenol	≤ 2.5%

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:

Supply fresh air or oxygen; call for doctor.

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

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing:

Do not induce vomiting; immediately call for medical help.

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

- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- \cdot Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

· Extinguishing media

• Suitable extinguishing agents: Use fire fighting measures that suit the environment.

- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: 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.

(Contd. on page 4)

[–] US

Printing date 06/26/2015

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part B

· 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 good ventilation/exhaustion 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: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: 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

· Com	· Components with limit values that require monitoring at the workplace:		
1480	14808-60-7 Quartz (SiO2)		
PEL	see Quartz listing		
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A		
TLV	Long-term value: 0.025* mg/m ³ *as respirable fraction		
108-9	5-2 phenol		
PEL	Long-term value: 19 mg/m ³ , 5 ppm Skin		
REL	Long-term value: 19 mg/m ³ , 5 ppm Ceiling limit value: 60* mg/m ³ , 15.6* ppm *15-min; Skin		
TLV	Long-term value: 19 mg/m ³ , 5 ppm Skin; BEI		
111-4	0-0 diethylenetriamine		
REL	Long-term value: 4 mg/m ³ , 1 ppm Skin		
	(Contd. on page 5)		

(Contd. of page 3)



Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part B

	Long-term value: 4.2 mg/m ³ , 1 ppm Skin
-	dients with biological limit values:
	5-2 phenol
	250 mg/g creatinine
	Medium: urine
	Fime: end of shift
	Parameter: Phenol with hydrolysis (background, nonspecific)
· Addit	ional information: The lists that were valid during the creation were used as basis.
	sure controls
	nal protective equipment:
	al protective and hygienic measures:
	away from foodstuffs, beverages and feed.
	diately remove all soiled and contaminated clothing.
	hands before breaks and at the end of work.
	protective clothing separately.
	contact with the eyes and skin. hing equipment:
	ning equipment: e of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure u
respire	atory protective device that is independent of circulating air.
	ction of hands:
The gl	ave material has to be importantly and registent to the product/ the substance/ the propagation
Due to	love material has to be impermeable and resistant to the product/ the substance/ the preparation. To missing tests no recommendation to the glove material can be given for the product/ the preparation/ the cal mixture.
· Mater	ion of the glove material on consideration of the penetration times, rates of diffusion and the degradation rial of gloves
	election of the suitable gloves does not only depend on the material, but also on further marks of quality and
	from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance
	by material can not be calculated in advance and has therefore to be checked prior to the application.
	ration time of glove material
observ	xact break through time has to be found out by the manufacturer of the protective gloves and has to b
	rotection:
Ljep	
	Tightly sealed goggles
) Phys	ical and chemical properties
Inform	nation on basic physical and chemical properties

- · Appearance: Form:
- Color:

Liquid According to product specification

(Contd. on page 6)

US



Safety Data Sheet acc. to OSHA HCS

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part B

	(Contd.	of page
· Odor:	Characteristic	
· Odour 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:	108 °C (226 °F)	
· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	595 °C (1103 °F)	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits:		
Lower:	1.3 Vol %	
Upper:	9.5 Vol %	
\cdot Vapor pressure at 20 $^{\circ}C$ (68 $^{\circ}F):$	0.3 hPa	
· Density at 20 °C (68 °F):	1.55 g/cm ³ (12.935 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.	
· Partition coefficient (n-octanol/wate	er): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	18.1 %	
VOC content:	18.1 %	
	280.6 g/l / 2.34 lb/gl	
· Other information	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 No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

(Contd. on page 7)

US



Aq

Reviewed on 06/26/2015

Trade name: *Epoxy CR-2100 Part B*

(Contd. of page 6)

· Acute toxicity:	
· LD/LC50 values that are relevant for classification:	
108-95-2 phenol	
Oral LD50 317 mg/kg (rat)	
Dermal LD50 850 mg/kg (rabbit)	
· Primary irritant effect:	
• on the skin: Caustic effect on skin and mucous membranes.	
• on the eye: Strong caustic effect.	
• Sensitization: Sensitization possible through skin contact.	
• Additional toxicological information: The product shows the following dangers according to internally appr	roved calculation methods for preparations
Toxic Corrosive	
Toxic	
Toxic Corrosive	
Toxic Corrosive Irritant Swallowing will lead to a strong caustic effect on mouth and throat a and stomach. • Carcinogenic categories	
Toxic Corrosive Irritant Swallowing will lead to a strong caustic effect on mouth and throat a and stomach. • Carcinogenic categories • IARC (International Agency for Research on Cancer)	
Toxic Corrosive Irritant Swallowing will lead to a strong caustic effect on mouth and throat a and stomach. • Carcinogenic categories • IARC (International Agency for Research on Cancer) 14808-60-7 Quartz (SiO2)	
Toxic Corrosive Irritant Swallowing will lead to a strong caustic effect on mouth and throat a and stomach. • Carcinogenic categories • IARC (International Agency for Research on Cancer)	and to the danger of perforation of esopha
Toxic Corrosive Irritant Swallowing will lead to a strong caustic effect on mouth and throat a and stomach. • Carcinogenic categories • IARC (International Agency for Research on Cancer) 14808-60-7 Quartz (SiO2)	and to the danger of perforation of esopha
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12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · 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.
- · Additional ecological information:
- · General notes:
- Generally not hazardous for water
- Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

Printing date 06/26/2015

Aqua Boi

Reviewed on 06/26/2015

Trade name: *Epoxy CR-2100 Part B*

(Contd. of page 7)

13 Disposal considerations

 \cdot 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.

· UN-Number	
· DOT, IMDG, IATA	UN1760
· UN proper shipping name · DOT · IMDG, IATA	Corrosive liquids, n.o.s. (Alkyl ether amine, diethylenetriamine) CORROSIVE LIQUID, N.O.S. (Alkyl ether amin diethylenetriamine)
· Transport hazard class(es)	
· DOT	
CORROSIVE 8	
· Class	8 Corrosive substances
· Label	8
· Class	8 Corrosive substances
· Label	8
· Packing group · DOT, IMDG, IATA	Ш
· Environmental hazards:	No
· Marine pollutant:	
 Special precautions for user Danger code (Kemler): 	Warning: Corrosive substances 80
· EMS Number:	F-A,S-B
· Segregation groups	Alkalis
• Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.
· Transport/Additional information:	
• DOT • Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
	(Contd. on page





Printing date 06/26/2015

· IMDG

Reviewed on 06/26/2015

Trade name: Epoxy CR-2100 Part B

(Contd. of page 8)

 Limited quantities (LQ) 	5L	
· Excepted quantities (EQ)	Code: E1	
	Maximum net quantity per inner packaging: 30 ml	
	Maximum net quantity per outer packaging: 1000 ml	
· UN "Model Regulation":	UN1760, Corrosive liquids, n.o.s. (Alkyl ether amine, diethylenetriamine), 8, III	

15 Regulatory information

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

· Sara		
· Section 355	(extremely hazardous substances):	
108-95-2 pl	ienol	
· Section 313	(Specific toxic chemical listings):	
108-95-2	phenol	
1344-28-1	aluminium oxide	
· TSCA (Tox	ic Substances Control Act):	
All ingredie	nts are listed.	
· Proposition	65	
· Chemicals	known to cause cancer:	
14808-60-7	Quartz (SiO2)	
13463-67-7	titanium dioxide	
· 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.	
-	ic categories	
	conmental Protection Agency)	
108-95-2 pl	ienol	D,
· TLV (Three	shold Limit Value established by ACGIH)	
14808-60-7	Quartz (SiO2)	A
108-95-2	phenol	A
1344-28-1	aluminium oxide	A
1309-37-1	diiron trioxide	A
13463-67-7	titanium dioxide	A
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	
14808-60-7	Quartz (SiO2)	
13463-67-7	titanium dioxide	
		(Contd. on page 2

- US

Safety Data Sheet acc. to OSHA HCS

Trade name: Epoxy CR-2100 Part B

(Contd. of page 9)

Reviewed on 06/26/2015

· Product related hazard informations: The product has been classified and marked in accordance with directives on hazardous materials. · Hazard symbols: Toxic · Hazard-determining components of labeling: phenol diethylenetriamine Propan-1,3-diamine, n-[3-tridecycloxy)propyl]-,branched (adogen 583) Dimethylamino(methyl)phenol · Risk phrases: Toxic by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Possible risk of irreversible effects. · Safety phrases: Keep locked up and out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of accident by inhalation: remove casualty to fresh air and keep at rest. · 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: Environment protection department.
- · Contact: Mr. Edward Poznysz, VP of Technologies: epoznysz@resindesigns.com
- · Date of preparation / last revision 06/26/2015 / -

· 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

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

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

(Contd. on page 11)



Safety Data Sheet acc. to OSHA HCS

Trade name: Epoxy CR-2100 Part B

Muta. 2: Germ cell mutagenicity, Hazard Category 2 Carc. 1A: Carcinogenicity, Hazard Category 1A STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2 Reviewed on 06/26/2015

(Contd. of page 10)

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