

SAFETY DATA SHEET

8.50 MSD Sheet CH600 C2 Seismic Pure Epoxy

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Compilation date: 16/07/2020

Revision date: 01/03/2024

Revision No: 5

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

1.1. Product identifier

Product name: 8.50 MSD Sheet CH600 C2 Seismic Pure Epoxy

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

1.3. Details of the supplier of the safety data sheet

Company name: Rockbond SCP Ltd
7 Te Puni Street
Petone
Wellington
New Zealand

Tel: +64 4 568 5401

Email: sales@rockbond.co.nz

1.4. Emergency telephone number

Emergency tel: Emergency Number is 0800 764 766

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: * Aquatic Chronic 2: H411; Muta. 2: H341; Repr. 1B: H360F; Skin Corr. 1B: H314; Skin Sens. 1A: H317

Most important adverse effects: Causes severe skin burns and eye damage. May cause an allergic skin reaction.
Suspected of causing genetic defects. May damage fertility. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

UFI: TNNT-044K-Q00R-WXE0

Hazard statements: * H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H341: Suspected of causing genetic defects.

H360F: May damage fertility.

H411: Toxic to aquatic life with long lasting effects.

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Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Signal words: Danger

Precautionary statements: * P202: Do not handle until all safety precautions have been read and understood.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352: IF ON SKIN: Wash with plenty of water.
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.

Haz. ingredients (label): BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} ; BISPHENOL-F EPICHLORHYDRIN RESIN: MW<700; 1,6-HEXANDIOLDIGLYCIDYLETHER ; 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE; FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH PHENOL AND M-PHENYLENEBIS (METHYLAMINE); FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 4,4'-ISOPROPYLIDENEDIPHENOL AND DIETHYLENETRIAMINE; 1,3-BENZENEDIMETHANAMINE ; 2,2'-IMINODIETHYLAMINE; PHENOL; 4,4'-ISOPROPYLIDENEDIPHENOL

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} - REACH registered number(s): 01-2119456619-26

EINECS	CAS	PBT / WEL	CLP Classification	Percent
216-823-5	1675-54-3	-	Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1A: H317	30-40%

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BISPHENOL-F EPICHLORHYDRIN RESIN: MW<700 - REACH registered number(s): 01-2119454392-40-XXXX

-	9003-36-5	-	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411	10-20%
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1,6-HEXANDIOLDIGLYCIDYLETHER - REACH registered number(s): 01-2119463471-41-XXXX

618-939-5	933999-84-9	-	Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317	10-20%
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3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE - REACH registered number(s): 01-2119514687-32-XXXX

220-666-8	2855-13-2	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412	3-10%
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FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH PHENOL AND M-PHENYLENEBIS(METHYLAMINE)

500-137-0	57214-10-5	-	Skin Corr. 1C: H314; Eye Dam. 1: H318; Skin Sens. 1B: H317; Aquatic Chronic 3: H412	3-10%
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FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 4,4'-ISOPROPYLIDENEDIPHENOL AND DIETHYLENTRIAMINE

500-263-6	77138-45-5	-	Skin Corr. 1B: H314; Skin Sens. 1: H317; Eye Dam. 1: H318; STOT SE 3: H335; Repr. 2: H361	3-10%
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-	-	-	Eye Irrit. 2: H319	3-10%
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1,3-BENZENEDIMETHANAMINE - REACH registered number(s): 01-2119480150-50

216-032-5	1477-55-0	-	Skin Corr. 1B: H314; Aquatic Chronic 3: H412; Acute Tox. 4: H302; Acute Tox. 4: H332; Eye Dam. 1: H318; Skin Sens. 1B: H317	3-10%
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BENZYL ALCOHOL - REACH registered number(s): 01-2119492630-38

202-859-9	100-51-6	-	Acute Tox. 4: H332; Acute Tox. 4: H302	1-3%
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2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL - REACH registered number(s): 01-2119560597-27-XXXX

202-013-9	90-72-2	-	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-3%
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2,2'-IMINODIETHYLAMINE - REACH registered number(s): 01-2119473793-27

203-865-4	111-40-0	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317	1-3%
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PHENOL - REACH registered number(s): 01-2119471329-32-XXXX

203-632-7	108-95-2	-	Muta. 2: H341; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Skin Corr. 1B: H314	1%
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4,4'-ISOPROPYLIDENEDIPHENOL - REACH registered number(s): 01-2119457856-23

201-245-8	80-05-7	-	Repr. 1B: H360F; STOT SE 3: H335; Eye Dam. 1: H318; Skin Sens. 1: H317	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: No data available.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Do not create dust. Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Building and construction work (SU19).

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2,2'-IMINODIETHYLAMINE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	4.3 mg/m ³	-	-	-

PHENOL

UK	2 ppm	4 ppm	-	-
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4,4'-ISOPROPYLIDENEDIPHENOL

UK	5 mg/m ³	5 mg/m ³	-	-
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DNEL/PNEC Values

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Hazardous ingredients:

BISPHENOL-F EPICHLORHYDRIN RESIN: MW<700

Type	Exposure	Value	Population	Effect
PNEC	Fresh water	0.003 mg/l	-	-
PNEC	Marine water	0.0003 mg/l	-	-
PNEC	Fresh water sediments	0.924 mg/kg	-	-
PNEC	Marine sediments	0.0294 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	10 mg/l	-	-
PNEC	Soil (agricultural)	0.237 mg/kg	-	-

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	20.1 mg/m ³	Workers	Systemic
DNEL	Inhalation	20.1 mg/m ³	Workers	Local
DNEL	Oral	0.526 mg/kg bw/day	Consumers	Systemic
PNEC	Marine water	0.006 mg/l	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste

Colour: Various

Odour: Perceptible odour

Solubility in water: Insoluble

Relative density: 1.44

9.2. Other information

Other information: Solid suspension - classified as non-flammable according to results from Test N.1 test method for readily combustible solids.

Section 10: Stability and reactivity

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10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

BISPHENOL-F EPICHLORHYDRIN RESIN: MW<700

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

1,6-HEXANDIOLDIGLYCIDYLETHER

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	2190	mg/kg

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

ORAL	RAT	LD50	1030	mg/kg
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BENZYL ALCOHOL

IVN	RAT	LD50	53	mg/kg
ORL	MUS	LD50	1360	mg/kg
ORL	RAT	LD50	1230	mg/kg

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

ORL	RAT	LD50	1200	mg/kg
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SKN	RAT	LD50	1280	mg/kg
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2,2'-IMINODIETHYLAMINE

IPR	RAT	LD50	74	mg/kg
ORL	MUS	LD50	970	mg/kg
ORL	RAT	LD50	970	mg/kg

PHENOL

ORL	MUS	LD50	270	mg/kg
ORL	RAT	LD50	317	mg/kg
SCU	RAT	LD50	460	mg/kg

4,4'-ISOPROPYLIDENEDIPHENOL

ORL	MUS	LD50	2400	mg/kg
ORL	RAT	LD50	3250	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated
Germ cell mutagenicity	--	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: Exposure may cause coughing or wheezing.

Delayed / immediate effects: No data available.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

BISPHENOL-F EPICHLORHYDRIN RESIN: MW<700

Daphnia magna	48H EC50	2.55	mg/l
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GREEN ALGA (Selenastrum capricornutum)	96H ErC50	1.8	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	2.54	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Insoluble in water. Heavier than water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3259

14.2. UN proper shipping name

Shipping name: AMINES, SOLID, CORROSIVE, N.O.S.
(3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE; FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH PHENOL AND M-PHENYLENEBIS (METHYLAMINE); 1,3-BENZENEDIMETHANAMINE; 2,2'-IMINODIETHYLAMINE)

14.3. Transport hazard class(es)

Transport class: 8 (9)

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

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14.6. Special precautions for user

Tunnel code: E

Transport category: 2

IMDG seg. group: 18

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H301: Toxic if swallowed.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H341: Suspected of causing genetic defects.
H360F: May damage fertility.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.