SAFETY DATA SHEET X099-41-2 PART A

Compilation date: 16/10/2017

Revision No: 4

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

1.1. Product identifier

Product name X099-41-2 Part A

Product code X099-41-2 Part A

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

Use of substance / mixture PC32: Polymer preparations and compounds.

1.3. Details of the supplier of the safety data sheet

Company name	Advanced Adhesives Ltd Plummer Street Newcastle upon Tyne NE4 7AB United Kingdom	**Australian Distributor**	Hubbel Harsh & Hazardous 20 Oakdene Drive Madeley, Western Australia 6065 Australia Contact: Callum Atkinson
Tel	+44 (0) 191 272 2982		+61 (0)8 9409 6339
Fax	+44 (0) 191 272 1747		+61 (0)488 155 160
Email	technical@advancedadhesives.co.uk	**Email**	catkinson@hubbell.com.au

1.4. Emergency telephone number

Manufacturer	Advanced Adhesives Ltd Plummer Street Newcastle upon Tyne NE4 7AB United Kingdom		
Tel	+44 (0) 191 272 2982	**Aus**	+61 (0)488 155 160
Fax	+44 (0) 191 272 1747		
Email	technical@advancedadhesives.co.uk		

Office Hours only : Mon-Thur 9am-5pm Fri 9am-4pm Closed weekends

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Hazard pictograms

GHS07: Exclamation mark
GHS09: Environmental

Signal words

Warning

Precautionary statements

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of water/soap and water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P321	Specific treatment (see instructions on this label).

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}

EINECS	CAS	PBT / WEL	CLP Classification	Percent
500-033-5	25068-38-6		Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	>20%

FORMALDEHYDE, POLYMER WITH (CHLOROMETHYL)OXIRANE AND PHENOL, MW <=700

EINECS	CAS	PBT / WEL	CLP Classification	Percent
500-006-8	9003-36-5		Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411	>20%

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

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 There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment	Eye bathing equipment should be available on the premises

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers

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

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding

6.3. Methods and material for containment and cleaning up

Clean-up procedures	Absorb into dry earth or sand. 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 8 of SDS

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists 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. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

Specific end use(s)	No data available

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits No data available

DNEL/PNEC Values

Hazardous ingredients

FORMALDEHYDE, POLYMER WITH (CHLOROMETHYL)OXIRANE AND PHENOL, MW <=700

Type	Exposure	Value	Population	Effect
DNEL	Dermal	8.3µg/cm2	Workers	Local
DNEL	Dermal	104.15 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	29.39mg/m3	Workers	Systemic
DNEL	Dermal (repeated dose)	62.5mg/kg	General Population	Systemic
DNEL	Inhalation (repeated dose)	8.7mg/m3	General Population	Systemic
DNEL	Oral (repeated dose)	6.25mg/kg bw/day	General Population	Systemic
PNEC	Fresh water	0.003mg/L	-	-
PNEC	Marine water	0.0003mg/L	-	-
PNEC	Microorganisms in sewage treatment	10mg/L	-	-
PNEC	Fresh water sediments	0.294 mg/kg dw	-	-
PNEC	Marine sediments	0.0294mg/kg dw	-	-

8.2. Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection Self-contained breathing apparatus must be available in case of emergency

Hand protection Protective gloves

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

Skin protection Protective clothing

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid		
Colour	Colourless		
Odour	Characteristic odour		
Evaporation rate	Negligible		
Oxidising	Non-oxidising (by EC criteria)		
Solubility in water	Miscible		
Viscosity	Highly viscous		
Flash point°C	>93	**Relative density**	1.17
pH	Approx. 7		

9.2. Other information

Other information Not applicable.

Section 10: Stability and reactivity

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. Decomposition may occur on exposure to conditions or materials listed below

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 A-(EPICHLORHYDRIN) {REACTION PRODUCT}

Route	Species	Test	Value	Units
ORL	MUS	LD50	15600	mg/kg
ORL	RAT	LD50	11400	mg/kg
SKN	RBT	LD50	>20	ml/kg

FORMALDEHYDE, POLYMER WITH (CHLOROMETHYL)OXIRANE AND PHENOL, MW <=700

DERMAL	RBT	LD50	>2,000	ml/kg
ORAL	RAT	LD50	>2,000	ml/kg

Relevant hazards for product

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	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 There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing

Delayed / immediate effects Immediate effects can be expected after short-term exposure

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients

FORMALDEHYDE, POLYMER WITH (CHLOROMETHYL)OXIRANE AND PHENOL, MW <=700

ALGAE	72H ErC50	>1,000 mg/l
DAPHNIA	48H EC50	2.55 mg/l
FISH	96H LC50	2.54 mg/l

12.2. Persistence and degradabilityPersistence and degradability

Persistence and degradability Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No bioaccumulation potential

12.4. Mobility in soil

Mobility Readily absorbed into soil

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 Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

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 UN3082

14.2. UN proper shipping name

Shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin)

14.3. Transport hazard class(es)

Transport class 9

14.4. Packing group

Packing group III

14.5. Environmental hazards

Environmentally hazardous Yes **Marine pollutant** No

14.6. Special precautions for user

Special precautions	No special precautions.
Tunnel code	E
Transport category	3

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	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. * indicates text in the SDS which has changed since the last revision.	
Phrases used in s.2 and s.3:	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation
	H411	Toxic 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.	