SAFETY DATA SHEET X099-41-2 PART B

Compilation date: 16/10/2017

Revision No: 1

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

1.1. Product identifier

Product name	X099-41-2 Part B
Product code	X099-41-2 Part B

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	**Aus**	+61 (0)488 155 160
Email	technical@advancedadhesives.co.uk	**Email**	catkinson@hubbell.co.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
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	Skin Corr. 1A: H314; Skin Sens. 1: H317
Most important adverse effects	Causes severe skin burns and eye damage. May cause an allergic skin reaction.

2.2. Label elements

Hazard statements	H314	Causes severe skin burns and eye damage.
	H317	May cause an allergic skin reaction.

Hazard pictograms

GHS05: Corrosion
GHS07: Exclamation mark

Signal words

Danger

Precautionary statements

P260	Do not breathe dust/fumes/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P302+352	IF ON SKIN: Wash with plenty of water/soap and water.
P303+361+353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

TRIETHYLENETETRAMINE, PROPOXYLATED

EINECS	CAS	PBT / WEL	CLP Classification	Percent
630-521-4	-	-	Skin Irrit. 2: H315; Eye Dam. 1: H318	10-50%

3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE

203-986-2	112-57-2	-	Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 2: H411	1-10%

BIS[2-(N,N-DIMETHYLAMINO)ETHYL] ETHER

221-220-5	3033-62-3	-	Acute Tox. 4: H302; Acute Tox. 3: H311; Skin Corr. 1B: H314; Acute Tox. 4: H332	1-10%

1,8-DIAZABICYCLO[5.4.0]UNDEC-7-ENE

229-713-7	6674-22-2	-	Met. Corr. 1: H290; Acute Tox. 3: H301; Skin Corr. 1B: H314; Aquatic Chronic 3: H412	1-10%

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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion	Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

Skin contact	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
Eye contact	Corneal burns may occur. May cause permanent damage.
Ingestion	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
Inhalation	There may be shortness of breath with a burning sensation in the throat. 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	Corrosive. 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	Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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 Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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.

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

DNEL/PNEC No data available

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

Hand protection Impermeable gloves.

Eye protection Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection Impermeable protective clothing.

Environmental The floor of the storage room must be impermeable to prevent the escape of liquids.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid		
Colour	Black		
Odour	Pungent		
Evaporation rate	Negligible		
Solubility in water	Miscible in all proportions		
Viscosity	Non-viscous		
Boiling point/range℃	>35	**Flash point℃**	>93
Relative density	1.04	**pH**	>11.5

9.2. Other information

Other information No data available.

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

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

Route	Species	Test	Value	Units
ORL	RAT	LD50	1200	mg/kg
SKN	RAT	LD50	1280	mg/kg

P-TOLUENESULPHONIC ACID (CONTAINING A MAXIMUM OF 5% H2SO4)

ORL	RAT	LD50	2480	mg/kg

2-PIPERAZIN-1-YLETHYLAMINE

IPR	MUS	LD50	250	mg/kg
ORL	RAT	LD50	2140	µl/kg

3,6-DIAZAOCTANETHYLENEDIAMINE

IVN	MUS	LD50	350	mg/kg
ORL	MUS	LD50	1600	mg/kg
ORL	RAT	LD50	2500	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	DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact Corneal burns may occur. May cause permanent damage.

Ingestion Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Inhalation There may be shortness of breath with a burning sensation in the throat. 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

Ecotoxicity values No data available

12.2. Persistence and degradability

Persistence and degradability 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 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

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 UN2735

14.2. UN proper shipping name

Shipping name POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-IMINODIETHYLAMINE; 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE)

14.3. Transport hazard class(es)

Transport class 8

14.4. Packing group

Packing group III

14.5. Environmental hazards

Environmentally hazardous No **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:

H302	Harmful if swallowed.
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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.