

SAFETY DATA SHEET
according to Regulation (EU) 2015/830

X099-41-2 PART B

Compilation date: 04/02/2021

Revision No: 2

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	Hubbell 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



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Signal words	Danger	
Precautionary statements	P260 P280 P301+330+331 P302+352 P303+361+353 P304+340	Do not breathe dust/fumes/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting IF ON SKIN: Wash with plenty of water/soap and water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. 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	88375-39-7	-	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%
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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%
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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%
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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. 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.

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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
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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
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5.2. Special hazards arising from the substance or mixture

Exposure hazards	Corrosive. In combustion emits toxic fumes.
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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.
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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.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding
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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.
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6.4. Reference to other sections

Reference to other sections	Refer to section 8 of SDS
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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 °C	>35	Flash point °C	>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

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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
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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

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Ecotoxicity values	No data available
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Persistence and degradability	Biodegradable
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Bioaccumulative potential No bioaccumulation potential

Mobility	Readily absorbed into soil
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PBT identification	This product is not identified as a PBT/vPvB substance.
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Other adverse effects	Negligible ecotoxicity
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13.1. Waste treatment methods

Disposal operations	Transfer to a suitable container and arrange for collection by specialised disposal company
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NB The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

14.1. UN number

UN number UN2735

Shipping name	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (2,2'-IMINODIETHYLAMINE; 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE)
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Transport class	8
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Packing group III

Environmentally hazardous	No	Marine pollutant	No
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Special precautions	No special precautions.
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Special precautions	N
Tunnel code	E

Transport category	3
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Section 15: Regulatory information

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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.

Further Information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.