Utility Epoxy Adhesive

Section 1: Identification: product identifier and chemical identity

1.1 Product identifier

Product name: Utility Epoxy Adhesive

Substance name: Epoxy Adhesive / All Purpose Adhesive / AB Glue

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

Identified uses: Bonding between small items, positioning and trapping within a small range, repairing, etc.

Uses advised against: Information not available at this time.

1.3 Details of the supplier of the SDS

Supplier: Australian Brushware Corporation PTY LTD

Address: Level 1, 20 Council Street Hawthorn East Victoria Australia 3123

Tel: +61 3 9358 0688

Fax: +61 3 9358 0600

Email: info@austbrush.com.au

1.4 Emergency telephone numbers

Poisons Information Centre: Australia 13 11 26, New Zealand 0800 764 766

Section 2: Hazards identification

2.1 GHS Classification

Reproductive toxicity: Category 1B

Skin corrosion: Category 1B

Skin sensitization: Category 1

2.2 GHS Labelling

Hazard pictograms:

Signal word: Warning, Danger

Hazard statements:

H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H360Df	May damage the unborn child. Suspected of damaging fertility

Precautionary statements

P264	Wash thoroughly after handling
P270	Do not eat, drink or smoke when using this product

	P271	Use only outdoors or in a well-ventilated area
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response:	None	
Storage:	P233	Keep container tightly closed
Disposal:	None	

Supplemental Hazard information (EUH):

No information available.

Special rules for supplemental label elements for certain mixtures:

Does not fulfil the criteria for classification.

2.3 Other hazards:

Prolonged inhalation may cause irritation for mucous membranes and respiratory system.

Prolonged contact with the skin may cause localized irritation.

The ingestion may cause gastrointestinal irritation.

During the moulding process may be issued gas containing low amounts of formaldehyde (ppb or ppm), which may cause irritation of the eyes, mucous membranes of the nose and throat.

Section 3: Composition and information on ingredients

3.1 Substance information

Chemical Name	CAS	Weight%
Epoxy resin	38891-59-7	50
Modified amine curing agent	111-41-1	50

Section 4: First aid measures

4.1 Description of first aid measures

General notes:

No special measure required.

Inhalation:

If exposed to vapours at elevated processing conditions, remove to fresh air. Get medical attention if irritation develops or persists.

Skin contact:

Remove contaminated clothing, and water to thoroughly flushed the skin with soap and water.

Eye contact:

Mention eyelid, irrigate with flowing water or normal saline. Go to a doctor.

Ingestion:

Suggest that the medical staff to solve the problem of contact and intake for treatment.

Notes for the doctor:

Treat symptomatically and supportively.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of the immediate medical attention and special treatment needed:

No data available.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

The material is self-extinguishable.

In case of necessity may be used: water spray, foam, powder and CO^2.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

The product does not burn easily, but for thermal decomposition, some toxic fumes composed of CO^2, CO, NOX, CH^2O, NH^3 will give off.

5.3 Advice for fire-fighters

Wear protective garments and self-contained breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See recommendation point 7 and 8.

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and material for containment and cleaning up

Disposal of the material can be used sand or other absorbent material, with its natural curing. As previously mentioned, the curing process will release a small amount of methanol.

6.4 Reference to other sections

For disposal see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Use proper personal protective equipment as indicated in Section 8.

Use with adequate ventilation. Avoid breathing vapour and contact with eyes, skin and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Ensure that the air circulation, avoid contact with water vapour. Curing process will release amine gas, disposal methods and security procedures to follow regular factory.

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 : Exposure controls and personal protection

8.1 Control parameters

Occupational exposure limit values:

Not Available.

DNEL(Derived No Effect Level) for workers:

No DNEL values for workers available.

DNEL(Derived No Effect Level) for the general population:

No DNEL values for the general population available.

PNEC(Predicted No Effect Concentration) values:

No PNEC values available.

8.2 Exposure controls

Personal protective equipment:

Eye and face protection: Safety glasses with side shields recommended.

Skin protection: Gloves

Body Protection: Protective clothing

Respiratory protection: If necessary, use a NIOSH/MSHA approved

Environmental exposure controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Appropriate engineering controls: Workplace air maximum concentration reference amine control standard. Avoid inhaling any moisture, protect eye and skin care equipment, in a small space to use breathing apparatus.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Thicker liquid
Colour:	Transparent or yellowish
Odour:	Mild amine and epoxy odour
pH:	Not available.
Melting point:	Not available.
Boiling point:	≥ 300ºF.
Density:	1.3 g/cm3
Vapour pressure:	Not available.
Partition coefficient (n -octanol/water):	Not available.

Solubility(-ies):	Insoluble in water.
Flash point:	>300ºF
Auto-ignition temperature:	No information available.
Flammability:	Not flammable.
Explosive properties:	Not available.
Oxidizing properties:	No information available.
Viscosity:	12000 mPa•S

Section 10: Stability and reactivity

10.1 Reactivity

Not available.

10.2 Chemical stability

The product is stable in normal conditions of storage and use.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Strong oxidizer.

10.6 Hazardous decomposition products

Smoke, Carbon Monoxide, Nitrous Oxides.

Section 11: Toxicological information

11.1 Toxicokinetics, metabolism and distribution

Metabolism:	Not Available
Absorption, Distribution & Excretion:	Inhalation

11.2 Potential health effects/symptoms

Inhalation:	Vapour may cause irritation to respiratory system.
Ingestion:	If ingested can cause irritations to mouth, pharynx and gastrointestinal apparatus.
Skin:	Prolonged contact may cause localized irritation. Vapour may cause irritation.
Eyes:	Possible irritation.
Skin corrosion/irritation:	Not Available.
Serious eye damage/irritation:	Not Available.
Respiratory or skin sensitization:	Not Available.

11.3 Acute toxicity

LD50 (oral, rat) > 2000 mg/kg

CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction):

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

STOT-single exposure and repeated exposure:

Specific target organ toxicity - single exposure: Not Available.

Specific target organ toxicity - repeated exposure: Not Available.

Additional information:

According to our present knowledge, no adverse health effects are expected when the product is handled and used with due care and attention, in the intended field of application.

Section 12: Ecological information

12.1 Toxicity

Acute toxicity to fish:	Not available.
Acute toxicity to daphnia:	Not available.
Acute toxicity to algae:	Not available.

12.2 Persistence and degradability

The product has a moderate biodegradability.

12.3 Bioaccumulative potential

No bioaccumulation is to be expected.

12.4 Mobility in soil

No known adverse environmental effects are known or expected under normal use.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Avoid release to the environment.

Section 13: Disposal considerations

13.1 Waste treatment methods

Liquid resin can be broken down via an oil or solvent dilution or as an ordinary hydrocarbon incineration. Handled material can then be mixed with sand, which naturally cures forming a non-toxic solid.

Section 14: Transport information

14.1 Land transport (ADR/RID/GGVSE)

Official transport designation:	N/A
UN-No.:	N/A

Class:	N/A
Packing group:	N/A
Classification Code:	N/A
Hazard label:	N/A

14.2 Sea transport (IMDG-Code/GGVSee)

Proper Shipping Name:	N/A
UN-No.:	N/A
Class:	N/A
Packing group:	N/A
EmS No.:	N/A

14.3 Air transport (ICAO-TI/IATA-DGR)

Proper Shipping Name:	N/A
UN-No.:	N/A
Class:	N/A
Packing group:	N/A

14.4 Additional information

No other information available.

Section 15: Regulatory information

15.1 EU regulation:

Authorisations:	No information available.
Restrictions on use:	No information available.
EINECS:	This product is on the European Inventory of Existing Commercial Chemical Substances.
DSD:	Not Available.
Other chemical regulation:	Not Available.
USA - TSCA:	Not Listed.
Canada - DSL:	Not Controlled.

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

Not available.

15.3 Chemical Safety Assessment

Not available.

Section 16: Other information

16.1 Revision Information

Date of the previous revision:	2 April 2019
Date of this revision:	28 May 2019
Revision summary:	Updated Hazard Information

16.2 Abbreviations and acronyms

CLP:	EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
EINECS:	European Inventory of Existing Commercial Chemical Substances.
RID:	European Rail Transport.
IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
OSHA:	The United States Occupational Safety and Health Administration.
TSCA:	Toxic Substances Control Act, The American chemical inventory.
DSD:	Dangerous Substance Directive (67/548/EEC).
IECSC:	Inventory of existing chemical substances in China.
DSL:	Domestic Substances List, The Canadian chemical inventory.
AICS:	The Australian Inventory of Chemical Substances.
ECL:	Existing Chemicals List, the Korean chemical inventory.
ENCS:	Japanese Existing and New Chemical Substances.

16.3 Key literature references and sources for data

ESIS Dataset: European chemical Substances Information System.

NLM: U.S. National Library of Medicine.

GESTIS-database: Information system on hazardous substances of the German Social Accident Insurance.

HSDB: Hazardous Substances Data Bank.

The Chemical Database.

16.4 Training advice

Provide adequate information, instruction and training for operators.

16.5 Declare to reader

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.