

Material Safety Data Sheet

1. Product and Company Identification

Product Name: H2O Aqueous Epoxy Part A

Trade Name: H2O Aqueous Epoxy Part A

Revision Date: 11/11/2008

Company Name: Con-Treat Pty Ltd

Address:

**In the event of emergency
human exposure:**

Poisons Information Centre
Ph: 131136

Hazardous according to the criteria of NOHSC

2. Composition/Information on Ingredients

Ingredients considered hazardous according to the criteria of Worksafe Australia:

Chemical Name	CAS #	Proportion	EU Classification
Biphenol A Epichlorohydrin Resin	[25068-38-6]	10-30%	Xi; N R:36/38-43-51/53
In Can Biocide	[Proprietary]	<10%	R43
Ingredients determined not to be hazardous		to 100%	

3. Hazards Identification

Irritating to eyes and skin

May cause sensitisation by skin contact

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Skin contact may produce health damage*

May produce discomfort of the respiratory system*

Possible respiratory sensitiser*

Maybe harmful to the foetus/embryo*

May affect fertility*

* (limited evidence)

4. First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention as soon as possible.

Ingestion:

DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical attention IMMEDIATELY. NEVER induce vomiting or give anything by mouth to an unconscious patient.

Inhalation:

Remove victim to fresh air. Persons administering first aid to overexposure victims should carefully wash off any visible product from the victims face. Do not give anything by mouth to an unconscious person. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult administer oxygen. Seek medical attention if ill effects persist.

Skin:

Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing and contaminated footwear before reuse. Seek medical attention if irritation persists.

Note to doctor:

Treat symptomatically.

5. Fire-Fighting Measures

Flash Point:	Not Applicable
Extinguisher Media:	On large fires use dry chemical, foam or water spray. On small fires use CO ₂ , dry chemical or water spray.
Unusual Fire and Explosion Hazards:	This material is not readily combustible under normal conditions and is not considered to be a significant fire risk. Reacts with strong oxidising materials, amines, mercaptans and strong acids
Special Protective Equipment:	Self contained breathing apparatus and protective clothing should be worn.
Hazardous Polymerisation:	May occur if the two H ₂ O kit parts are allowed to mix in proportions other than the manufacturers recommendation, polymerisation with gelation and evolution of heat may occur. This excess heat may generate toxic and/or corrosive vapours.
Combustion Products:	Toxic fumes of CO ₂ and other pyrolysis products typical of burning organic material may be evolved on burning or exposure to heat. (See Section 10 of this MSDS)
Stability:	Stable

6. Accidental Release Measures

Steps to be taken if material is released or spilled:

Wear appropriate protective clothing. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Collect free liquid into a recovery vessel. Absorb remainder with sand or clay and place in a properly labelled waste receptacle. Follow all government and local body regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes and other bodies of water.

Container Disposal:

DO NOT reuse container. Dispose of safely.

7. Handling and Storage

Handling:

Avoid contact with skin, eyes and all other personal contact. Handle in accordance with good industrial hygiene and safety practises. Wash hands thoroughly after contact. Wear protective clothing when risk of exposure occurs.

Storage:

Store in a cool, dry place out of reach of children. Store away from oxidising materials, amines, mercaptans, strong acids and foodstuffs.

Special:

Avoid cross contamination between the two liquid parts of the product kit. If the two H₂O kit parts are allowed to mix in proportions other than the manufacturers recommendation, polymerisation with gelation and evolution of heat may occur. This excess heat may generate toxic vapours.

8. Exposure Controls/Personal Protection

Exposure Controls for Mixture:

Composite exposure standard for mixture (TWA) 10mg/m³

Ventilation Requirements:

Good industrial hygiene practise dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation, if risk of overexposure occurs.

Respiratory Protection:

None normally required if good ventilation is maintained. If mist is generated during application process, an approved mist respirator with organic vapour filters must be used.

Eye Protection:

Eye contact must be avoided. Safety goggles with side shield or a face visor must be worn.

Skin Protection:

Skin contact must be avoided and good personal hygiene practises observed. Protective clothing including impervious chemical nitrile gloves must be worn. Care must be taken while removing gloves and other skin protective equipment to avoid ALL skin contact.

9. Physical and Chemical Properties

Appearance:	White liquid
Specific Gravity:	1.34 @ 20 degrees Celsius
Solubility in Water:	Miscible
Flash Point:	Not Applicable

10. Stability and Reactivity

Stability: Products of this type are stable and unlikely to react in a hazardous manner under normal conditions.

Incompatibility:	Oxidising Agents, Strong Acids, Mercaptans, Amines.
Hazardous Polymerisation:	May occur if the two kit parts are allowed to mix in proportions other than the manufacturers recommendation, polymerisation with gelation and evolution of heat may occur. This excess heat may generate toxic vapours.

11. Toxicological Data

Biphenol A Epichlorohydrin Resin [25068-38-6]

Oral (rat) LD50: 13600mg/kg for RTECS SL 6475000

Intraperitoneal (rat) 2400mg/kg

Oral (mouse) LD50: 15600 mg/kg

Eye (rabbit) 100mg mild

Equivocal tumourigen by RTECS criteria

12. Ecological Information

Avoid contaminating waterways. Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13. Disposal Considerations

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

Dispose of product and container responsibly and carefully.

Do not dispose of near waterways, down drains or into soil.

14. Transport Information

Not classified as hazardous for transport (ADG, UN, IATA/ICAO)

15. Regulatory Information

Australian Classifications:

Poisons Schedule S5

UN Number: NA

HAZCHEM Code: NA

Dangerous Goods Class NA

Packaging Group: NA

EC Labelling: **Xi Irritant**

R43 May cause skin sensitisation by contact

R36/38 Irritating to eyes and skin

N51/53 Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

S28 After contact with skin wash immediately with plenty of soap.

S37/39 Wear suitable gloves and eye/face protection

S61: Avoid release to the environment. Refer to special instructions/safety data sheet

16. Other Information

Compiled by:

Chemisys Australia Pty Ltd

P. O. Box 3604

Loganholme

QLD 4129

Australia

Phone 07 32877266 Fax 07 32877288

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified. However no warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and the information in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Chemisys Group shall not be responsible for any damage of injury resulting from abnormal use of this material, from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.

Material Safety Data Sheet

1. Product and Company Identification

Product Name: H2O Aqueous Epoxy Part B
Trade Name: H2O Aqueous Epoxy Part B
Recommended Use: Room temperature curing agent for epoxide resins
Revision Date: 12/11/2008
Company Name: Con-Treat Pty Ltd
Address:

In the event of emergency human exposure:

Poisons Information Centre
Ph: 131136

Hazardous according to the criteria of NOHSC

2. Composition/Information on Ingredients

Ingredients considered hazardous according to the criteria of Worksafe Australia:

Chemical Name	CAS #	Proportion	EU Classification
Polyamide Resin	[58033-87-7]	10-30%	Xi R:36/38, 43
In Can Biocide	[Proprietary]	<10%	R43

Ingredients determined not to be hazardous to 100%

3. Hazards Identification

Irritating to eyes and skin
May cause sensitisation by skin contact

4. First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention as soon as possible.

Ingestion:

DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical attention IMMEDIATELY. NEVER induce vomiting or give anything by mouth to an unconscious patient.

Inhalation:

Remove victim to fresh air. Persons administering first aid to overexposure victims should carefully wash off any visible product from the victims face. Do not give anything by mouth to an unconscious person. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult administer oxygen. Seek medical attention if ill effects persist.

Skin:

Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing and contaminated footwear before reuse. Seek medical attention if irritation persists.

Note to doctor:

Treat symptomatically.

5. Fire-Fighting Measures

Flash Point:	Not Applicable
Extinguisher Media:	On large fires use dry chemical, foam or water spray. On small fires use CO ₂ , dry chemical or water spray.
Special Protective Equipment:	Self contained breathing apparatus and protective clothing should be worn.
Hazardous Polymerisation:	May occur if the two H ₂ O kit parts are allowed to mix in proportions other than the manufacturers recommendation, polymerisation with gelation and evolution of heat may occur. This excess heat may generate toxic and/or corrosive vapours.
Combustion Products:	Toxic fumes of H ₂ O and other pyrolysis products typical of burning organic material may be evolved on burning or exposure to heat. (See Section 10 of this MSDS)
Stability:	Stable

6. Accidental Release Measures

Steps to be taken if material is released or spilled:

Wear appropriate protective clothing. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Collect free liquid into a recovery vessel. Absorb remainder with sand or clay and place in a properly labelled waste receptacle. Follow all government and local body regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes and other bodies of water.

Container Disposal:

DO NOT reuse container. Dispose of safely.

7. Handling and Storage

Handling:

Avoid contact with skin, eyes and all other personal contact. Handle in accordance with good industrial hygiene and safety practises. Wash hands thoroughly after contact. Wear protective clothing when risk of exposure occurs.

Storage:

Store in a cool, dry place out of reach of children. Store away from oxidising materials, epoxy resins, strong acids and foodstuffs.

Special:

Avoid cross contamination between the two liquid parts of the H₂O product kit. If the two H₂O kit parts are allowed to mix in proportions other than the manufacturers recommendation, polymerisation with gelation and evolution of heat may occur. This excess heat may generate toxic vapours.

8. Exposure Controls/Personal Protection

Exposure Controls: No exposure standards have been established for this material by NOHSC.

Biological Limit: No biological limit allocated

Ventilation Requirements:

Good industrial hygiene practise dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation, if risk of overexposure occurs.

Respiratory Protection:

None normally required if good ventilation is maintained. If mist is generated during application process, an approved mist respirator with organic vapour filters must be used. Reference should be made to AS/NZS 1715 and AS/NZS 1716 Use and Maintenance of Respiratory Protective Devices for individual circumstances.

Eye Protection:

Eye contact must be avoided. Safety goggles with side shield or a face visor must be worn.

Skin Protection:

Skin contact must be avoided and good personal hygiene practises observed. Protective clothing including impervious chemical nitrile gloves must be worn. Care must be taken while removing gloves and other skin protective equipment to avoid ALL skin contact.

9. Physical and Chemical Properties

Appearance:	Amber liquid
Specific Gravity:	1.00 @ 20 degrees Celsius
Solubility in Water:	Soluble
Flash Point:	Not Applicable. Water based solution

10. Stability and Reactivity

Stability:	Products of this type are stable and unlikely to react in a hazardous manner under normal conditions.
Incompatibility:	Oxidising Agents, Strong Acids, Epoxy Resins
Hazardous Polymerisation:	May occur if the two H ₂ O kit parts are allowed to mix in proportions other than the manufacturers recommendation, polymerisation with gelation and evolution of heat may occur. This excess heat may generate toxic vapours.

11. Toxicological Data

Not available.

12. Ecological Information

Not available.

13. Disposal Considerations

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

Dispose of product and container responsibly and carefully.

Do not dispose of near waterways, down drains or into soil.

14. Transport Information

Not classified as hazardous for transport (ADG, UN, IATA/ICAO)

15. Regulatory Information

Australian Classifications:

UN Number: NA

HAZCHEM Code: NA

Dangerous Goods Class NA

Packaging Group: NA

EC Labelling:

R43 May cause skin sensitisation by contact

R36/38 Irritating to eyes and skin

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin wash immediately with plenty of soap.

S37/38/39 Wear suitable protective clothing, gloves and eye/face protection

S61: Avoid release to the environment. Refer to special instructions/safety data sheet

16. Other Information

Compiled by:

Chemisys Australia Pty Ltd

P. O. Box 3604

Loganholme

QLD 4129

Australia

Phone 07 32877266 Fax 07 32877288

This data sheet and the health, safety and environmental information it contains is considered to be accurate as of the date specified. However no warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and the information in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the users obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Chemisys Group shall not be responsible for any damage of injury resulting from abnormal use of this material,

from any failure to adhere to recommendations or from any hazards inherent in the nature of the material.

Con-Treat Pty Ltd