

# TOMPS Limited

## Safety Data Sheet

### 1. Identification

Name of Substance or Preparation: **Water Clear Epoxy Part B**

Unique Reference Number: DX016 Part B  
Supplier: TOMPS Limited  
220 New Road  
Sutton Bridge  
Lincolnshire  
PE12 9QE  
Telephone: 0845 658 6677  
Fax: 0845 658 5329

### 2. Composition and Ingredients

Substance?	No	Substance Name:	N/A
CAS Number:	N/A	EC Index Number:	N/A
EEC Number:	N/A		

Components Contributing to Hazard Classification	% by Wt.	CAS No.	Hazard	Risk phrases
Isophorone diamine	>20%	2855-13-2	Corrosive	R21/22 - Harmful in contact with skin and if swallowed R34 - Causes burns R43 - May cause sensitisation by skin contact R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Polyoxyalkyleneamine	>20%	39423-51-3	Corrosive	R21/22 - Harmful in contact with skin and if swallowed R34 - Causes burns

### 3. Hazards Identification

CHIP Classification: CORROSIVE

Risk Phrases: R21/22 Harmful in contact with skin and if swallowed.  
R34 Causes burns.  
R43 May cause sensitisation by skin contact  
R52/53 Harmful to aquatic organisms, may cause long-term effects in the aquatic environment

Other Information: -

### 4. First Aid Measures

Immediate medical attention required? Yes  
Professional assistance from physician required? Yes  
Inhalation: Remove person to fresh air. Seek medical attention.  
Skin Contact: Immediately rinse the affected area thoroughly with copious amounts of water (for 10 minutes). Put on a bandage with sterile gauze & seek medical attention.  
Eye Contact: Flush immediately with water for 10-15 minutes prising eyelids open with fingers. Seek medical attention immediately.  
Ingestion: DO NOT induce vomiting except in the presence of, or on the orders of a doctor. Seek medical help and take this data sheet. If the chemical is confined to the mouth then wash out mouth with water and do not allow patient to swallow mouth wash. If unconscious the put in recovery position.

### 5. Fire Fighting Measures

#### Extinguishing Media

Suitable: Foam, dry chemical, CO<sub>2</sub>.  
Other Comments: Where large quantities are involved breathing apparatus should be used.  
Special Exposure Hazards: May produce toxic vapours during combustion.  
Special Fire Fighting Procedures: Cool endangered areas with water spray jet. Evacuate downwind personnel.  
Protective Equipment Required: Positive pressure self-contained breathing apparatus should be used.

# TOMPS Limited

## Safety Data Sheet

### 6. Accidental Release Measures

<b>Personal Precautions</b>	Wear suitable protective clothing including positive pressure self-contained breathing apparatus if ventilation is poor. Keep away ignition sources
<b>Environmental Precautions</b>	Do not allow to enter drains or watercourses
<b>Clean-Up Procedures</b>	Cover spillage with absorbent such as sawdust, sand or earth. Sweep into open drums and remove for further decontamination and disposal. Wash spillage area with detergent and water.

### 7. Handling and Storage

<b>Handling</b>	Do not allow contact with unprotected skin and eyes. Ensure adequate ventilation.
<b>Storage</b>	Store in a cool, dry place away from epoxy resins, amine and oxidising agents.

### 8. Exposure Controls

#### Take Measures to Prevent:

Contact with skin and eyes.

#### Exposure Control Limits:

There are no assigned exposure values by any Regulatory Authority.

#### Respiratory Protection:

Ensure adequate ventilation and where necessary use suitable breathing equipment.

#### Hand Protection:

Wear suitable gloves.

#### Skin Protection:

Wear suitable protective clothing.

#### Eye Protection:

Wear goggles or safety glasses. Locate eyewash bottle in immediate area of work.

### 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear liquid	<b>Explosive Properties:</b>	N/A
<b>Colour:</b>	Colourless	<b>Oxidising Properties:</b>	N/A
<b>pH:</b>	N/M	<b>Vapour Pressure:</b>	N/M
<b>Boiling Point:</b>	N/M	<b>Relative Density:</b>	~ 0.95 (25°C)
<b>Melting Point:</b>	N/M	<b>Solubility in Water:</b>	Miscible
<b>Flashpoint:</b>	>117°C	<b>Other:</b>	-
<b>Key:</b>	N/A - Not Applicable,		N/M – Not Measured

### 10. Stability and Reactivity

#### Conditions to Avoid:

Excessive heat. Uncontrolled contact with large masses of epoxy resin will generate a large exotherm.

#### Materials to Avoid:

Epoxy resin/amine mixtures, strong oxidants.

#### Hazardous Decomposition Products:

Oxides of nitrogen and carbon.

### 11. Toxicological Information

No information available.

# TOMPS Limited

## Safety Data Sheet

### 12. Ecological Information

#### Elimination information (persistence and degradability) (for IPD)

Biodegradability                      Result: 42.0%  
Method: Coupled units Test (sewage treatment plant simulation)

#### Behaviour in environmental compartments

#### Ecotoxicity effects

Toxicity to fish                      LC50 Brachydanio rerio: 110 mg/l / 96h  
Method: EC 84/449

Toxicity to daphnia                      LC0 Brachydanio rerio: 70 mg/l / 96h

Toxicity to daphnia                      NOEC Daphnia magna: 3 mg/l / 504h  
Method: OECD 202 part 2

Toxicity to daphnia                      EC50 Daphnia magna: 23 mg/l / 48h  
Method: OECD TG 202

Toxicity to algae                      EC50 scenedesmus subspicatus: 37 mg/l / 72h  
Method: EC 88/302

Toxicity to algae                      NOEC scenedesmus subspicatus: 1.5 mg/l / 72h  
Method: EC 88/302

Toxicity to bacteria                      EC 10 Pseudomonas putida: 1,120 mg/l / 18h  
Method: Bringmann und Kuhn, Z Wasser Abwasser Forsch, 10, 87-98 (1977)

### 13. Disposal Considerations

#### Likely residues and waste products:

Small quantities of waste should be reacted with epoxy resin to neutralise prior to disposal. Empty drums should be decontaminated and scrapped according to local authority regulations.

#### Safe handling of residues and waste product:

Dispose of neutralised residues by controlled incineration or approved landfill in accordance with local authority regulations. Do not dispose of unreacted product down drains, sewers or watercourses.

### 14. Transport Information

**Proper Shipping Name:** Corrosive liquid, toxic, n.o.s.  
**UN No.:** 2922  
**ADR/VLG:** Class 8  
**ADNR/VBG:** -  
**RID/VSG:** Class 8  
**IMO/IMDG:** Class 8 Packaging Group III EMS No: 8-15  
**ICAO/IATA:** Class 8 Packaging Group III

# TOMPS Limited

## Safety Data Sheet

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### 15. Regulatory Information

**Supply Label Information:**

CORROSIVE

**Risk Phrases:**

R21/22 Harmful in contact with skin and if swallowed.  
R34 Causes burns.  
R43 May cause sensitisation by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long term effects in the aquatic environment

**Safety Phrases:**

S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S45 In case of accident or if you feel unwell seek medical advice immediately (show this label where possible).  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets

**Other:**

Contains: Polyoxypropylenamines, Isophorone diamine

### 16. Other Information

**Training advice:**

Please read all datasheets carefully. If any point remains unclear or if further training is required please contact TOMPS.

**Recommended uses and restrictions:**

Hardener component for two-part epoxy resin. No other use recommended.

**Further information sources:**

Please refer to the Safety Data Sheet for the accompanying epoxy resin for further information.

**Sources of key data used to compile this SDS:**

Raw material data. Occupational Exposure Limits 1997. Guidance Note EH40/98. Approved Supply List (CHIP Regulations 1996).

This Safety Data Sheet has been prepared and supplied in accordance with the **Chemicals (Hazard Identification and Packaging) Regulations 1994** as amended for use by persons capable of understanding the information contained herein for the protection of the health and safety of users.

It is therefore important that this data sheet is passed to the appropriate person so that the information may be acted upon if necessary.

Changes since the last version will be highlighted in the margin. This version replaces all previous versions.

**NOTE:** This SDS has been prepared from information we believe to be reliable, however it is provided without warranty, expressed or implied, as to its correctness. Since the conditions of handling, storage, use and disposal of this material are beyond our control we accept no responsibility whatsoever for any loss, damage or expense which results from the handling, storage, use or disposal of this material.