

TOMPS Limited

Safety Data Sheet

1. Identification

Name of Substance or Preparation: **Epoxy Resin DX020 Part A**

Unique Reference Number: Epoxy Resin DX020 A

Supplier: TOMPS Limited
220 New Road
Sutton Bridge
Lincolnshire
PE12 9QE

Telephone: 0845 658 6677

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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
Diglycidyl ether of bisphenol A (DGEBCPA)	>20%	25068-38-6	Irritant Dangerous to the environment	R36/38 Irritating to eyes and skin. R43 - May cause sensitisation by skin contact. R51/53 – Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

3. Hazards Identification

CHIP Classification: IRRITANT, DANGEROUS TO THE ENVIRONMENT

Risk Phrases: R36/38 Irritating to eyes and skin
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Other Information: This product contains antimony trioxide, which is classified as a Class 3 carcinogen. This means that there is some evidence from studies that there may be a possible risk to man, however the evidence is not sufficient or not conclusive enough for the product to be categorised as definitely carcinogenic. The primary route of exposure for this hazard is one of dust inhalation. Since the antimony trioxide is dispersed in the liquid resin this route of exposure is not appropriate. However if the cured product is machined then dust exposure should be avoided.

4. First Aid Measures

Immediate medical attention required? Yes

Professional assistance from physician required? Yes

Inhalation: No specific measures.

Skin Contact: Remove contaminated clothing immediately. Wash contaminated area with soap and water. Use skin cream to prevent dryness. Launder contaminated clothing. If irritation persists obtain 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 and if conscious and alert give $\frac{1}{2}$ litre of water. Seek medical attention.

5. Fire Fighting Measures

Extinguishing Media

Suitable: Foam, dry chemical, CO₂, water mist, sand or earth.

Other Comments: Carbon monoxide may be evolved if incomplete combustion occurs.

Special Exposure Hazards: None

Special Fire Fighting Procedures: Evacuate downwind personnel.

Protective Equipment Required: Positive pressure self-contained breathing apparatus should be used.

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6. Accidental Release Measures

Personal Precautions

Avoid contact with skin, eyes and clothing. Wear suitable protective clothing.

Environmental Precautions

Prevent from contaminating soil or water. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. If material enters drains, it should be pumped out into an open vessel. Emergency services may need to be called to assist in this operation.

Clean-Up Procedures

Wear full protective clothing including gloves and goggles. Cover spillage with absorbent such as sawdust, sand or earth. Sweep into sealable containers, label and remove for subsequent disposal. Scrub contaminated surfaces with detergent solution.

7. Handling and Storage

Handling

Avoid contact with skin, eyes and clothing.

Storage

Keep container tightly closed and dry. Store in a dry place in ambient conditions in sealed original containers.

8. Exposure Controls

Take Measures to Prevent:

Contact with skin and eyes.

Exposure Control Limits:

None established

Respiratory Protection:

Not normally required.

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

Appearance:	Liquid	Oxidising Properties:	N/A
Colour:	White	Vapour Pressure:	~ 2Pa. @ 160°C
pH:	N/A	Relative Density:	~ 1.26 @ 25°C
Boiling Point:	N/M	Solubility in Water:	~ 0.009 kg/m ³ @ 23°C
Flashpoint:	>150°C	Other:	-
Explosive Properties:	N/A		
Key:	N/A - Not Applicable,		N/M - Not Measured

10. Stability and Reactivity

Conditions to Avoid:

Temperatures above 95°C.

Materials to Avoid:

Amines, mercaptans, Lewis acids, caustic soda, ammonia, primary and secondary amines, water, acids.

Hazardous Decomposition Products:

Oxides of carbon.

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11. Toxicological Information

Incomplete toxicological data are available for this substance.

Acute Toxicity

Oral	LD ₅₀ > 2000 mg/kg
Dermal	LD ₅₀ > 2000 mg/kg

Chronic Toxicity

Eye irritation	Irritant
Skin irritation	Irritant
Respiratory irritation	Not irritating
Skin sensitisation	Skin sensitiser

12. Ecological Information

Incomplete ecotoxicological data are available for this substance.

Mobility	Sinks in water
Persistence/degradability	Not readily biodegradable
Bioaccumulation	Has the potential to bioaccumulate
Acute toxicity - fish	~1.2 mg/L
Acute toxicity - daphnia	~2.7 mg/L
Acute toxicity - algae	~9.4 mg/L

13. Disposal Considerations

Likely residues and waste products:

Recover or recycle if possible. Otherwise dispose to licensed disposal contractor, or controlled incineration.

Safe handling of residues and waste product:

Dispose of neutralised residues by controlled incineration or approved landfill in accordance with local authority regulations.

14. Transport Information

Proper Shipping Name:	-
UN No.:	-
ADR/VLG:	-
ADNR/VBG:	-
RID/VSG:	-
IMO/IMDG:	Not dangerous for conveyance
ICAO/IATA:	Not dangerous for conveyance

15. Regulatory Information

Supply Label Information: Xi, N

IRRITANT. Contains epoxy resin (number average molecular weight <700), DANGEROUS FOR THE ENVIRONMENT

Risk Phrases:	R36/38	Irritating to eyes and skin.
	R43	May cause sensitisation by skin contact
	R51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
Safety Phrases:	S28	After contact with skin, wash immediately with plenty of soap and water.
	S37/39	Wear suitable gloves and eye/face protection.
	S61	Avoid release to the environment. Refer to special instructions/safety data sheet
Other:	-	

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16. Other Information

Training advice:

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

Recommended uses and restrictions:

Resin component for two-part epoxy. No other use recommended.

Further information sources:

Please refer to the Safety Data Sheet for the accompanying component 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.

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.