

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Supplier: Autotype International Limited
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England
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Product Name: AUTOBOND X

Product Description: Solution of adhesion promoting agents in dichloromethane.

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

NAMES	CONCENTRATION	SYMBOL	R/S-PHRASES	REGISTRATION NOS
Dichloromethane	90%	Xn	R40 S23,S24/25	CAS NR: 75-09-02 EC No: 200-838-9
Isopropyl Alcohol	<1%	F, Xi	R11,36,37 S24/25,7,16,26	CAS NR: 67-63-0 EC No: 200-661-7

3. HAZARD IDENTIFICATION

Harmful by inhalation.
Irritating to eyes and skin.
Limited evidence of carcinogenic effects (mice).

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air. Rest. Get medical attention.
Artificial respiration if breathing has stopped.

Ingestion:

Dilute with water if conscious. Do not vomit. Get medical attention.

Eye Contact:

Irrigate with water for 15 minutes. Get medical aid.

Skin Contact:

Wash thoroughly with soap and water.

Further Medical Treatment:

Get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHER MEDIA Suitable: Foam, dry powder, CO2 Not Suitable:

Exposure Hazards:

Methylene Chloride is an extinguishant but may be decomposed by high temperatures to Hydrogen Chloride or Phosgene

Protective Equipment:

Wear breathing apparatus if other combustibles are present and burning.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Gloves, goggles, skin protection, respirator (3M 8712).

Environmental Precautions:

Protect waterways and soil.

Methods for Cleaning:

Protect personnel. Ventilate area. Absorb in sand, containerise and transfer to safe site for authorised disposal.

7. HANDLING AND STORAGE

Store in original containers, in cool dry place, away from direct sunlight.

8. EXPOSURE CONTROLS/PERSONNEL PROTECTION**Exposure Controls:**

Methylene chloride (100 ppm) - good permanent ventilation.

Respiratory Equipment:

3M 8712 for large quantities.

Hand Protection:

Rubber/Nitrile gloves.

Eye Protection:

Goggles.

Other Protection:

Plastic apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.	Colour:	Colourless.
Odour:	Solvent.	pH:	N/A
Boiling Point:	40.2°C.	Melting Point	N/A
Flash Point:	N/A	Flammability:	None.
Autoflammability:	N/A	Explosive Limit:	N/A
Oxidising Properties:	None.	Vapour Pressure:	300MM HG.
Relative Density:	@ 20°C 1.3g/cm ³ .	Solubility in Water:	0.15%
Viscosity:	@ 20°C 0.86 CP.		

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid:

Hot surfaces, high intensity UV.

Materials to Avoid:

Alkali metals, nitric acid, aluminium, plastics.

Hazardous Decomposition Products:

Not applicable.

11. TOXICOLOGICAL INFORMATION

Inhalation:

Anaesthesia, unconsciousness.

Harmful on prolonged exposure - CNS Depressant.

Dichloromethane

LC50=14,400 ppm/7H mouse

Isopropyl Alcohol

LC50=>5mg/l ihl rat.

Ingestion:

Anaesthesia, nausea.

Liver/Kidney damage. Unconsciousness, death.

Dichloromethane

LD50=1600mg/Kg oral rat.

Isopropyl Alcohol

LD50=>2000mg/Kg oral rat.

Skin Contact:

Removes skin oils - possible dermal reaction.

Toxic through skin absorption.

Eye Contact:

Irritation and burns.

Long Term Exposure:

Prolonged/repeated over exposure may damage liver and kidneys and cause CNS effects.

Limited evidence of cancer in laboratory animals.

12. ECOLOGICAL INFORMATION

This product is a solution of metal chelate compounds in methylene chloride and isopropanol. It should not be allowed in the foul waste system in its original form. The solvents are not ozone depleting and have low tropospheric photochemical ozone creation potential. They have a naturally short atmospheric degradation period. After mesh application the solid material adheres to the mesh and effluent content is minimal. The product contains no EC Grey/Black listed components. Not expected to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

By authorised industrial chemical waste disposal.

14. TRANSPORTATION INFORMATION

This product is hazardous for shipment.

UN No: 1593	ADR/RID Class: 6.1	ICAO/IATA Class: 6.1
Packing Group: III	IMO Class: 6.1	EMS: F-A, S-A
Marine Pollutant: No	ADR Transport Cat.: 2	CDG Transport Cat.: 3

Proper Shipping Name: Methylene Chloride or Dichloromethane.

Proper Shipping Name: Dichloromethane solution.

15. REGULATORY INFORMATION

Classification:



Harmful

Contains:

Dichloromethane

Canadian Class D2A

R-Phrases:

R20: Harmful by inhalation.
 R40 Limited evidence of carcinogenic effect.

S-Phrases:

S23 Do not breathe fumes.
 S24/25: Avoid contact with skin and eyes.
 S36/37: Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

Read the instructions carefully before using.

N/A - Not Applicable

The information and recommendations contained in the Company's literature or elsewhere are based on knowledge at the time of printing and are believed to be accurate. Whilst such details are printed in good faith, they are intended to be a guide only and shall not bind the Company. Due to constant development, customers are urged to obtain up-to-date technical information from representatives of the Company and not to rely exclusively on printed material. Customers are reminded of the importance of obtaining and complying with instructions for the handling and use of chemicals and materials supplied as the Company cannot accept responsibility for any loss or injury caused through non-compliance.

Date of Printing

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