

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Supplier: Autotype International Limited
Grove Road, Wantage, Oxon OX12 7BZ
England
Telephone: 01235 771111
Emergency telephone: 01235 770063

Product Name: AUTOLAC

Product Description: Dyed polymer solution in industrial alcohol (86%).

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

NAMES	CONCENTRATION	SYMBOL	R/S-PHRASES	REGISTRATION NOS
Ethanol	>82%	F	R11 S7,S16	CAS NR: 64-17-5 EC No: 200-578-6
Methanol	<4%	F, T	R23/24/25 R39/23/24/25 S7,S16,S36/37,S45	CAS NR: 67-56-1 EC No: 200-659-6

3. HAZARD IDENTIFICATION

Highly flammable.
Harmful by inhalation and if swallowed. Possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air. Use artificial respiration if breathing has ceased.
Get medical attention.

Ingestion:

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

Eye Contact:

Irrigate with large volumes of water for 15 minutes.

Skin Contact:

Wash thoroughly with soap and water.

Further Medical Treatment:

Consult Physician.

5. FIRE FIGHTING MEASURES

EXTINGUISHER MEDIA Suitable: Foam. Not Suitable: Not applicable.

Exposure Hazards:

Oxides of Carbon or Nitrogen.
Forms explosive mixtures with air. May explode in a fire.

Protective Equipment:

As for water miscible flammable liquids.

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

Gloves, goggles, ventilation.

Environmental Precautions:

Isolate means of ignition and other chemicals.

Methods for Cleaning:

Flush small quantities to waste with dilution. Absorb large quantities in sand and transfer to safe site.

7. HANDLING AND STORAGE

Store in original containers in cool, dry conditions away from heat/ignition. Keep away from children/foodstuff.

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

1000 ppm as Ethanol.
200 ppm as Methanol.

Respiratory Equipment:

3M 8712 for large quantities.

Hand Protection:

PVC Gloves.

Eye Protection:

Goggles.

Other Protection:

Plastic apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.	Colour:	Black.
Odour:	Alcohol.	pH:	Neutral
Boiling Point:	78°C	Melting Point	N/A
Flash Point:	12°C	Flammability:	Highly flammable.
Autoflammability:	417°C.	Explosive Limit:	3.5-19% in air.
Oxidising Properties:	None.	Vapour Pressure:	43mm/Hg.
Relative Density:	@ 20°C 0.8g/cm ³ .	Solubility in Water:	Soluble.
Viscosity:	Not measured.		

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid:

Heat and ignition.

Materials to Avoid:

Oxidisers.

Hazardous Decomposition Products:

Vapours oxidise to carbon monoxide/dioxide.

11. TOXICOLOGICAL INFORMATION**Inhalation:**

Drowsiness, headache, anaesthesia. CNS depressant.

Ethanol
Methanol

LC50=2000ppm/10H inh rat.
LC50=64000 ppm/4H ihl rat.

Ingestion:

Ethanol

Ethanol
Methanol

LD50=7060 mg/Kg oral rat.
LD50=13g/Kg oral rat.

Skin Contact:

Irritation, dermal effects.

Eye Contact:

Irritation.

Long Term Exposure:

Alcoholic poisoning.

12. ECOLOGICAL INFORMATION

Do not allow in drains in large quantities. All components are biodegradable and will not inhibit activated sludge. Does not contain EC Black or Grey listed components.

13. DISPOSAL CONSIDERATIONS

Authorised chemical disposal.

14. TRANSPORTATION INFORMATION

This product is hazardous for shipment.

UN No: 1170

Packing Group: II

Marine Pollutant: No

Proper Shipping Name: Ethanol Solution.

ADR/RID Class: 3

IMO Class: 3

CDG Transport Cat.: 2

ICAO/IATA Class: 3

EMS: F-A, S-Q

ADR Transport Cat.: 2

15. REGULATORY INFORMATION**Classification:**

Highly Flammable



Harmful

Contains:

Canadian Class D2A

Contains methanol and ethanol.

R-Phrases:

R20,21,22: Harmful by inhalation, skin contact and if swallowed.

R40/20/21/22: Harmful: Possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

R36/R37 Irritating to eyes, respiratory system and skin.

S-Phrases:

S7: Keep in container tightly closed.

S16: Keep away from sources of ignition - no smoking

S23 Do not breathe fumes.

S36/37: Wear suitable protective clothing and gloves.

S45: In case of accident or feeling unwell, seek medical advice immediately

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.

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