

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Supplier: Autotype International Limited
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England

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Product Name: **ADHERING FLUID**

Product Description: Blend of organic solvents.

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

NAMES	CONCENTRATION	SYMBOL	R/S-PHRASES	REGISTRATION NOS
Petroleum Spirit	50%	F, N, Xn.	R11,R51/53,R65 S61,62,7,16,9,23,29,33	CAS NR: 64742-49-0 EC No: 265-151-9
n-Butyl Acetate	30%		R10,R66,R67 S25	CAS NR: 123-86-4 EC No: 204-658-1
Isopropyl Alcohol	20%	F, Xi	R11,R36,R67 S7,S16,S24/25, S26	CAS NR: 67-63-0 EC No: 200-661-7

3. HAZARD IDENTIFICATION

Highly flammable. Harmful.
May cause lung damage if swallowed. Narcotic. Toxic to aquatic organisms.
May cause long term effects in the aquatic environment. May form explosive vapour/air mixture.

4. FIRST AID MEASURES

Inhalation:

Remove to fresh air. Drink water. Rest and keep warm. Get medical advice.

Ingestion:

Dilute with water, seek medical attention.

Eye Contact:

Irrigate with water for 15 minutes. Get medical aid.

Skin Contact:

Wash thoroughly with soap and water.

Further Medical Treatment:

Seek medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHER MEDIA Suitable: Foam, BCF, Powder. Not Suitable: Water

Exposure Hazards:

Mixed solvents extremely flammable. Miscible with water solvent vapour and CO.

Protective Equipment:

Wear breathing apparatus.

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

Nitrile rubber gloves, goggles, skin protection, respiratory protection.

Environmental Precautions:

Seal drains, isolate means of ignition, eliminate heat sources.

Methods for Cleaning:

Protect personnel. Isolate electrics, absorb in sand, transfer to safe site in sealed containers.

7. HANDLING AND STORAGE

Store in sealed original containers in cool, dry place away from heat or ignition sources.

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

Hydrocarbons (400ppm), N-Butyl Acetate (150ppm), Isopropyl Alcohol (400ppm) - Good permanent ventilation.

Respiratory Equipment:

3M 8712 for large quantities.

Hand Protection:

Nitrile Rubber 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:	70°C	Melting Point	N/A
Flash Point:	<-30°C	Flammability:	Flammable
Autoflammability:	287°C.	Explosive Limit:	0.9-5.9% in air.
Oxidising Properties:	None.	Vapour Pressure:	50mm/Hg.
Relative Density:	@ 20°C 0.9g/cm³.	Solubility in Water:	Not soluble.
Viscosity:	Not known.		

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid:

Heat, ignition and sunlight.

Materials to Avoid:

Reactive chemicals, acids.

Hazardous Decomposition Products:

None at room temperature.

11. TOXICOLOGICAL INFORMATION**Inhalation:**

Anaesthesia, narcosis.

Petroleum Spirit LC50=>5mg/l ihl rat.

n-Butyl Acetate LC50=2000 ppm/4H ihl rat.

Isopropyl Alcohol LC50=>5mg/l ihl rat.

Ingestion:

Discomfort, nausea, narcosis.

Aspiration into the lungs can cause chemical pneumonitis, which can be fatal.

Petroleum Spirit LD50=>2000mg/Kg oral rat.

n-Butyl Acetate LD50=14000 mg/Kg oral rat.

Isopropyl Alcohol LD50=>2000mg/Kg oral rat.

Skin Contact:

Removes skin oils - possible dermal reaction.

Eye Contact:

Irritation.

Long Term Exposure:

Prolonged and repeated over exposure may result in effects to nervous system.

12. ECOLOGICAL INFORMATION

This product is a blend of ester/alcohol and hydrocarbon solvents. It should not be allowed into the foul waste or fresh water drainage system. Waste or surplus material should be collected for authorised chemical disposal. Evaporates from soil or water surfaces, large volumes may penetrate soil and contaminate ground water. Has potential to bio accumulate. Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

By authorised solvent disposal only.
Waste Category: EWC 14 01 03

14. TRANSPORTATION INFORMATION**This product is hazardous for shipment.**

UN No: 1268

Packing Group: II

ADR/RID Class: 3

IMO Class: 3

ADR Transport Cat.: 2

ICAO/IATA Class: 3

EMS: F-E, S-E

CDG Transport Cat.: 2

Marine Pollutant: No

Proper Shipping Name: Petroleum Distillate NOS, N-Butyl Acetate, Isopropanol; Hydrocarbons.

15. REGULATORY INFORMATION**Classification:**

Highly Flammable



Harmful



Dangerous for the environment

Contains:

Butyl Acetate, Isopropanol and Hydrocarbons.

Canadian Class B2

R-Phrases:

R11: Highly flammable.

R66: Repeated exposure may cause skin dryness or cracking.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67: Vapours may cause drowsiness and dizziness.

S-Phrases:

S7: Keep in container tightly closed.

S9: Keep container in well ventilated place.

S16: Keep away from sources of ignition - no smoking

S23 Do not breathe fumes.

S29 Do not empty into drains.

S24/25: Avoid contact with skin and eyes.

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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