

Item Number: MSDS 90CR000001**Revision Date:** 3/17/04**Revision Number:** 13**Material/Trade Name:** SurePath™ Preservative Fluid - EN

5 - Fire-fighting Measures

Suitable Extinguishers:	Alcohol resistant foam Dry powder Carbon dioxide Water spray/fog
Unsuitable Extinguishers:	Direct water jets
Hazardous Decomposition:	Toxic fumes are produced in fire
Special Procedures:	Do not breathe decomposition products and fumes Use approved self-contained breathing apparatus Wear fire retardant clothing Use water spray to cool containers Warning: Danger of flashback exists Use water fog to disperse vapours and leaks that have not ignited Prevent runoff from fire control from entering waterways Large fires should only be dealt with by trained personnel

6 - Accidental Release Measures

Exposure Controls:	Ventilate area Eliminate all sources of ignition Do not allow spill to enter drains and watercourses Mark area and warn all personnel
Personal Protection:	Wear suitable respiratory protection for large spillages and in confined spaces Wear polythene, nitrile or rubber gloves Use eye protection such as goggles to BS EN 166 Grade 3
Disposal Considerations:	Absorb in inert material such as sand or absorbent granules Scoop up and place in plastic container to await transfer Spill is classed as special waste

7 - Handling and Storage

Handling:	Avoid skin contact Avoid eye contact Avoid inhalation of vapour Ensure adequate ventilation Use local extraction equipment where possible Wear suitable protective clothing (see section 8)
Storage:	Store in tightly closed labelled containers Store in a cool, dry, well ventilated area

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8 - Exposure Controls

Occupational Exposure Limit: 266mg/m³ 8hrTWA 333mg/m³ 15minSTEL OES Methanol (Sk)
1920mg/m³ 8hrTWA OES ethanol

Wear polythene, nitrile or rubber gloves

Wear suitable overalls or apron and change if contaminated

Wear suitable eye protection such as BS EN 166 Grade 3

Use in well ventilated areas.

Use mechanical ventilation if possible

If excessive inhalation in a poorly ventilated area is likely then use
a respirator with filter type A

After contact with skin wash off immediately

9 - Physical & Chemical Properties

Appearance : Clear colourless liquid

Odour : Mild alcoholic

pH : 7.2

Boiling point/range : 86°C

Melting point/range : n/e

Flash point : 35°C (Closed Cup)

Flammability : FLAMMABLE

Autoflammability : n/e

Explosive properties : n/e

Oxidising properties : None

Vapour pressure : n/e

Relative density : 0.98

Solubility : Miscible in water

Vapour Density : n/e

Viscosity : n/w

Evaporation rate (Bu Ac = 1) : n/e

(n/e = not established)

10 - Stability and Reactivity

Stable at normal temperatures

Materials to avoid: oxidising agents

Conditions to avoid: high temperature, sources of ignition & direct sunlight

No hazardous decomposition products when stored and handled correctly

11 - Toxicological Information

Routes of exposure: inhalation, skin absorption and ingestion

Acute effects from ingestion: Nausea, vomiting and stomach pain

Unconsciousness in severe cases

Health effects: May cause irritation to eyes, skin and respiratory tract

Repeated skin contact may cause dermatitis

Inhalation may cause depression of central nervous system

Chronic effects: May cause kidney & liver damage

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12 - Ecological Information

Ecotoxicity:- Dangerous to aquatic life in high concentrations
Persistence:- Solvent is readily biodegradable
Bioaccumulative potential:- Not expected to bioaccumulate
Mobility:- Mobile, volatile liquid. May penetrate soil causing groundwater contamination

13 - Disposal Considerations

Waste materials must be treated as a fire hazard
Incinerate through a licensed site
Do not discharge into drains or watercourses
Dispose through properly licensed contractors
Dispose of in accordance with local regulations

14 - Transport Information

Not classified as hazardous for transport

15 - Regulatory Information

a) Risk & Safety

R10 FLAMMABLE
S16 Keep away from sources of ignition – No Smoking
S33 Take precautionary measures against static discharges
S23 Do not breathe vapour
S24/25 Avoid contact with eyes and skin

b) Other Regulations

Health & Safety at Work etc. Act 1974
Control of Substances Hazardous to Health Regulations 1994
Environmental Protection Act 1990

16 - Other Information

Not Applicable