

Material Safety Data Sheet

SF1
POLISHING
FLUID

Date prepared: 21st November 1995

Date revised: 28th October 2002

0CON-140

1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or preparation trade name: **SF1 Polishing Fluid (Syton)**
Unique reference number(s): **0CON-140**
Company/undertaking name & address: **Logitech Ltd.,
Erskine Ferry Road, Old Kilpatrick, Glasgow
G605EU, Scotland, UK**
Telephone: **(+44) 1389 875444**
Emergency telephone number: **As above**

2. Composition

Chemical Nature of the preparation:	Colloidal Silica			
<u>Hazardous components</u>	Classification	Weight %	CAS-No	EEC-No
Ethylene Glycol	XN: R22	4-5	107-21-1	203-473-3
Amorphous Silica		15-50	7631-86-9	231-545-4
Preservative	F, Xn; R11-22-36/ 38-43	0.30	004080-31-3	223-805-0

3. Hazards Identification

Inhalation: **Not harmful.**
Skin contact: **Irritant.**
Eye contact: **Irritant.**
Ingestion: **Not harmful**

4. First Aid Measures

Eye contact: **Irrigate through with water. Seek medical advice if irritation persists.**
Skin contact: **May cause drying of skin. Can have dermatitic effect. Wash skin with mild soap and water. Use moisturiser. Change effected clothing.**
Ingestion: **Not considered a hazard but should be avoided. Induce vomiting. Discourage eating and drinking in process area.**
Inhalation: **Continued inhalation of dry silica dust should be avoided. Rinse out nose / mouth with water if sudden large doses inhaled.**

Date prepared: 21st November 1995

Date revised: 28th October 2002

5. Fire-Fighting Measures

Extinguishing media: **NOT FLAMMABLE.**
Exposure hazards: **NOT FLAMMABLE.**
Special exposure hazards in fire: **NOT FLAMMABLE.**
Required special protective equipment for fire-fighters: **NOT FLAMMABLE.**

6. Accidental Release Measures

Personal precautions: **Wear plastic or waterproof gloves. Wear face mask and goggles if excessive dust forms when material has dried.**
Environmental precautions: **Vacuum dust and remove to approved landfill site.**
Spillage control: **Absorb immediately into sand or sawdust and remove to approved landfill site.**

7. Handling and Storage

Handling / Storage: **Store in dry conditions at temperatures between 4-25 °C. Avoid exposure to frost and store in HDPE / glass / stainless steel.**

8. Exposure Controls / Personal Protection

Engineering measures: **Avoid formation of respirable particles.**
Control parameters: **Amorphous silica: (total inhalable dust): OES(8-H TWA)= 6mg/m³
: (respirable dust) : OES(8-H TWA) = 3mg/m³ : (EH40/92)
Preservative: 1mg/m³ TWA-8 hours**
Personal protection Equipment:
Eye protection: **Safety glasses.**
Hand protection: **Rubber gloves.**
Hygiene measures: **Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist. Wash hands before breaks and at the end of the workday.**

9. Physical and Chemical Properties

Form: **Liquid**
Colour: **Opaque**

*Date prepared: 21st November 1995**Date revised: 28th October 2002*

Odour:	None
pH: (°C) (AT G/1 H ₂ O)	5.0-10.1
Boiling point:	100°C
Melting point/range:	0°C . 753
Flashpoint (°C):	Does not ignite.
Oxidising properties:	None.
Relative density (°C):	From 1.10KG/l to 1.40KG/l
Vapour pressure:	(25°C) 32.0 HPA (38°C) 64.0 HPA
Solubility:	Completely miscible in water.

10. Stability and Reactivity

Conditions to avoid:	None.
Materials to avoid:	None.
Hazardous decomposition products:	None.

11. Toxicological Information

Acute toxicity.

Amorphous Silica: **LD50/oral/rat= 3160mg/kg; RTECS, 77717**

Preservative: **LD50/oral/rat= 1000-2000mg/kg**

Local effects: **May cause eye/skin irritation.**

Excessive exposures may affect human health as follows:

Skin contact: Local: **Irritation, discomfort, rash.**

Eye contact: Local: **Irritation, discomfort, excessive lachrymation, blurred vision.**

Inhalation (respirable particles): Lungs: **Irritation, discomfort, cough, difficulty in breathing.**

12. Ecological Information

No data available.

Date prepared: 21st November 1995

Date revised: 28th October 2002

13. Disposal Considerations

Waste from residues / unused products: *Can be incinerated, when in compliance with the Environment Protection Act 1990 (Process Guidance Note IPR5/1); can be landfilled after concentration when in compliance with the Environment Protection (Duty of Care) Regulations 1991.*

Contaminated packaging: *Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal.*

14. Transport Information

Classification data: *Not classified as dangerous in the meaning of transport regulations.*

15. Regulatory Information

This product does not need to be labelled in accordance with EC-directive 88/379.

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION. THE INFORMATION GIVEN IS DESIGNED ONLY AS A GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION. THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS, UNLESS SPECIFIED IN THE TEXT.