

1. Identification

Product Code CS1300-16

Product Name **SCHIFF'S REAGENT**
(for detection of aldehydes)

CAS Number Mixture

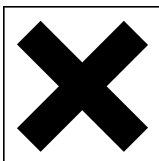
Supplier:  **BEECROFT & PARTNERS**
Northfield Road
Rotherham
South Yorkshire

Phone 01709-377881
Fax 01709-369264

Emergency Telephone 08:30-1700 01709-377881
24hr 112
(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Hydrochloric acid	7647-01-0	231-595-7	1.0%	Xi : R34,R37	OES

3. Hazards Identification

Irritating to eyes, respiratory system and skin.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation If material has reacted with an acid to form, sulphur dioxide, seek immediate medical assistance.

Ingestion Wash out the patients mouth thoroughly with water. If conscious induce vomiting. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Presents no specific fire danger.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection Evacuate area immediately. Use approved personal protective equipment. However if contact with acid is possible, use full protective clothing and breathing apparatus.

Enviromental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6. Accidental Release Measures (continued)

Major Spillage	Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	No specific precautions.
----------------------	--------------------------

8.1 Occupational Exposure Limits

Component	CAS No	Occupational Exposure Standard				Maximum Exposure Limits			
		Long Term		Short Term		Long Term		Short Term	
		ppm	mg m-3	ppm	mg m-3	ppm	mg m-3	ppm	mg m-3
Hydrochloric acid	7647-01-0	-	-	5	7	-	-	-	-

8.2 Personal Protection

Respiratory	Presents no significant inhalation health hazard.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Clear colourless liquid.
Odour	Organic sulphur odour.
pH	4
Boiling point	Aqueous solution
Melting point	Aqueous solution
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	1.0010
Water Solubility	Completely soluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Elevated temperatures and contact with oxidising agents.
Materials to Avoid	Strong oxidising agents. Contact with acids will liberate toxic and irritant fumes of sulphur dioxide.
Hazardous Decomposition Products	Toxic fumes of sulphur dioxide.

11. Toxicological Information

Eyes	The liquid will be irritating to the eyes.
Skin	The liquid will be irritating to the skin.
LD50 Skin	Not available
Ingest	Low order of acute toxicity.
LD50 Ingest	Not available

11. Toxicological Information (continued)

Inhalation	Major hazard is through inhalation of sulphur dioxide fumes which produce a hard uncontrollable cough. Excessive exposure can lead to unconsciousness and may prove fatal.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

The powerful reducing action may interfere with aquatic life.

13. Disposal Considerations

Disposal Methods	Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	Irritant.
Classification	
Label Symbols	Xi 
Risk & safety Phrases	Irritating to eyes, respiratory system and skin. Avoid contact with eyes. If swallowed, seek medical advice immediately and show this container or label.
EEC Number	Not available

16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC. The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. Revision Date: 7/09/00. Data reviewed and PDF file generated: 07/06/04. Copyright 2004 Beecroft & Partners.
----------------------	--