

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & COMPANY

Product Name SCHIFF'S REAGENT – FEULGEN REAGENT

Product Code 61028X

Supplier Clin-Tech Limited
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PARAROSANILINE CHLORIDE	209-321-2	569-61-9	0-1%	Carc.2; R45
HYDROCHLORIC ACID	231-595-7	7647-01-0	0-1%	C; R34 Xi; R37
SODIUM METABISULPHITE	231-673-0	7681-57-4	0-1%	Xn; R22 Xi; R41 R31
CHARCOAL	231-153-3	7440-44-0	0-1%	

The Full Text for all R-Phrases are Displayed in Section 16.

3. HAZARDS IDENTIFICATION

CLASSIFICATION T; R45

- May cause cancer

4. FIRST-AID MEASURES**INHALATION**

Remove to fresh air immediately. If discomfort occurs seek medical attention and show the bottle or label.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly if person is conscious. Get medical attention.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE HAZARDS

Emits toxic fumes under fire conditions.

PROTECTIVE MEASURES IN FIRE

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Evacuate area. Wear protective clothing as described in Section 8 of this safety data sheet.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Wear disposable coveralls and discard them after use.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Wash spillage site with water and detergent.

7. HANDLING & STORAGE

DIRECTIONS FOR HANDLING

Do not breathe vapour. Do not get on skin, in eyes or on clothing. Avoid prolonged or repeated exposure.

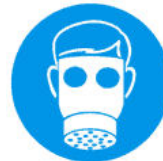
STORAGE PRECAUTIONS

Store in tightly closed original container at 4 – 10 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	8h TWA		STEL	
SULPHUR DIOXIDE	WEL		5 mg/m ³		13 mg/m ³

WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Self-contained breathing apparatus in case of prolonged exposure.

HAND PROTECTION

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colourless Liquid
ODOUR	Characteristic Pungent
SOLUBILITY	Soluble in water

10. STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

Strong oxidising agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, hydrogen chloride gas, nitrogen oxides, sulphur oxides.

11. TOXICOLOGICAL INFORMATION

INHALATION

May be harmful if inhaled. May be irritating to mucous membranes and upper respiratory tract.

INGESTION

May be harmful if swallowed.

SKIN CONTACT

May cause irritation. May be harmful if absorbed through the skin.

EYE CONTACT

May cause eye irritation.

SENSITISATION

Prolonged or repeated exposure may cause sensitisation in certain individuals.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



IMDG

UN#	1789
Class	8
PG	III
Proper shipping name:	Hydrochloric Acid
Marine Pollutant:	No

RID / ADR

UN#	1789
Class	8
PG	III
Proper shipping name:	Hydrochloric Acid

IATA

UN#	1789
Class	8
PG	III
Proper shipping name:	Hydrochloric Acid

15. REGULATORY INFORMATION

LABELLING



Toxic

RISK PHRASES

R45 May cause cancer

SAFETY PHRASES

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

S53 Avoid exposure - obtain special instructions before use

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16. OTHER INFORMATION

GENERAL INFORMATION

This safety data sheet covers all codes for this product.

REVISION COMMENTS

Update of constituent risks

REVISION DATE

07-2011

REV. NO./REPL. SDS GENERATED

5 / 09-2009

RISK PHRASES IN FULL

R22	Harmful if swallowed
R31	Contact with acids liberates toxic gas
R34	Causes burns
R37	Irritating to respiratory system
R41	Risk of serious damage to eyes
R45	May cause cancer