

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (material) Name:** Schiff's aqueous stain. Catalogue # ASCHF-100.  
**Other Names:** Reagent for periodic acid schiff reaction, Schiff's Reagent.  
**Recommended Use:** For laboratory use in hospital, pathology and electron microscopy.

**Supplier Name:** ProSciTech  
**Postal Address:** PO Box 111, Thuringowa Central Qld. 4817 Australia  
**Street Address:** 1/11 Carlton Street, Kirwan, Qld. 4817 Australia  
**Telephone Number:** (07) 4773 9444  
**Fax Number:** (07) 4773 2244  
**Emergency Contact:** (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

## SECTION 2 - HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as hazardous according to criteria of NOHSC.  
**Risk Phrases:**  
**Safety Phrases:** S1/2: Keep locked up and out of reach of children.  
 S24: Avoid contact with skin.  
 S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or poisons information centre.  
 S45: In case of accident or if you feel unwell, contact a doctor or poisons information centre and show the container or label.

## SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

**SUBSTANCE:**  
**Chemical Identity:** Schiff's aqueous stain  
**Common Name(s):**  
**CAS Number(s):**

### MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Fuchsin Basic	632-99-5	0.5
Sodium Metabisulfite (below cutoff)	7681-57-4	0.95
Hydrolic Acid (below cutoff)	7647-01-0	0.9
Water and other non-reactive substances	7732-18-5	97.65

## SECTION 4 - FIRST AID MEASURES

**Swallowed:** If swallowed DO NOT induce vomiting. If victim if conscious give water. If sickness persists seek medical attention.  
**Eye:** Immediately flush eyes with plenty of water for 15 minutes, holding open eyelids. If irritation persists seek medical attention.  
**Skin:** Remove contaminated clothing and wash skin thoroughly with soap and water. Seek medical attention if irritation occurs or persists. Wash contaminated clothing before re-use.  
**Inhaled:** Move person to fresh air. Apply resuscitation if they are not breathing. Seek immediate medical aid.  
**First Aid Facilities:** Eyebath, safety shower and normal wash room facilities.  
**Medical Attention & Special Treatment:** Treat symptomatically.

ADDITIONAL INFORMATION:

## SECTION 5 - FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing media suitable for the surrounding fire.  
**Hazards from Combustion** Decomposes on heating emitting oxides of carbon.  
**Products:**

**Precautions for Fire Fighters:** Wear self-contained breathing apparatus in confined spaces and full protective equipment.

**Hazchem Code:**

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:**

**Containment and clean up:** Wear appropriate protective equipment (refer to Section 8). Material may be slippery when spilt, walk cautiously. Ventilate the area and dike the spill to prevent run off into drains and waterways. Use absorbant inert material (e.g. soil or sand). Collect and seal in properly labelled containers for disposal. Flush the spill area with plenty of water.

## SECTION 7 - HANDLING & STORAGE

**Precautions for Safe Handling:** Wear appropriate protective equipment (refer to Section 8). Wash hands thoroughly after use.

**Conditions for Safe Storage:** Store in a cool dry place, out of direct sunlight and away from sources of heat or ignition. Store away from oxidising agents. Keep containers closed when not in use.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards:** Sodium Metabisulfite (below cutoff) [TWA] 5mg/m<sup>3</sup>.

**Biological Limit Values:** No biological limit allocated.

**Engineering Controls:** Provide adequate ventilation, natural ventilation is sufficient unless material is heated, reacted or otherwise changed in some type of chemical reaction then use a local exhaust system.

**Personal Protective Equipment:** Wear PVC or natural rubber apron or splash suit and gloves. Chemical goggles or faceshield to protect eyes. Avoid breathing vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. The use of a P1 dust mask (disposable) or with replacement filters is recommended. If entering spaces where airborne concentration of a contaminant is unknown then use a self-contained breathing apparatus with positive pressure air supply complying with AS/NZS 1715/1716, or any other acceptable International Standard is recommended.

## SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** Clear Liquid.  
**Odour:** Not available.  
**pH:** Not available.  
**Vapour pressure:** 23 hPa at 20°C.  
**Vapour density:** Not available.  
**Boiling point/range:** ~100°C / 0°C.  
**Freezing/melting point:** Not available.  
**Solubility:** Soluble in all proportions.  
**Specific gravity or density:** ~ 1.0  
**Flash Point:** Not applicable.  
**Flammable (explosive) limits:** Not applicable.  
**Ignition temperature:** Not applicable.  
**Additional Information:** May change to yellow or even pink if exposed to heat and atmosphere. Keep cool and sealed.

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions of use.  
**Conditions to avoid:** Heat, flames, ignition sources and incompatibles.  
**Incompatible Materials:** Strong alkalis, acids and oxidising agents.  
**Hazardous Decomposition Products:** Emits smoke and fumes when heated to decomposition.  
**Hazardous Reactions:** Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute and chronic health effects:**

<b>Possible routes of exposure:</b>	Ingested, inhaled, skin and eye contact.
<b>Range of effects following exposure:</b>	Ingestion: May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips. Stomach pains. Inhalation: May cause irritation to nose, throat and respiratory system effects including: Dizziness, headaches and possible confusion. Eye: May cause irritation including: Tearing, pain, stinging and blurred vision. Skin: May cause irritation to the skin including: Redness and itching.
<b>Dose likely to cause injury:</b>	
<b>Delayed effects:</b>	
<b>Relevant negative data:</b>	Carcinogen Category: A4 - indicates the agent is not a human carcinogen.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:**  
**Persistence and degradability:**  
**Mobility:**  
**Additional Information:**

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods:** Refer to the appropriate authority in your State. Dispose of the material through a licenced waste contractor. Advise flammable nature. Normally suited for disposal by approved waster disposal agent.

**Special Precautions:**

## SECTION 14 - TRANSPORT INFORMATION

**UN Number:**  
**UN Proper Shipping Name:**  
**Class and Subsidiary risk:**  
**Packing Group:**  
**Special Precautions for User:**  
**Hazchem Code:**

## SECTION 15 - REGULATORY INFORMATION

**Poison Schedule Number:** S5 - Substances with a low potential for causing harm, the extent of which can be reduced through the use of appropriate packaging with simple warnings and safety directions on the label.

## SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS:

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