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## MATERIAL SAFETY DATA SHEET

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name: Schiffs Reagent

– HST206

Brand: Solmedia Ltd

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses – PC21: Laboratory Chemicals

#### 1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Solmedia Ltd.
- Address of Supplier: Unit 2, Vernon Drive  
Battlefield Enterprise Park  
Shrewsbury  
SY1 3TF  
UK
- Telephone: 0844 80 80 900
- Email: labsupplies@solmedialtd.com

#### 1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification under CHIP:** R31; Xi: R36/38

**Classification under CLP:** Carc. 2: H351; Eye Dam. 1: H318; Skin Irrit. 2: H315; -: EUH031

**Most important adverse effects:** Contact with acids liberates toxic gas. Causes skin irritation. Causes serious eye damage. Suspected of causing cancer.

#### 2.2 Label elements

##### Label elements under CLP:

**Hazard statements:** EUH031: Contact with acids liberates toxic gas.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H351: Suspected of causing cancer

**Signal words:** Danger

**Hazard pictograms:** GH005: Corrosion

GHS08: Health hazard

**Precautionary statements:**

P202: Do not handle until all safety precautions have been read and understood.

P264: Wash skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical advice/attention.

P310: Immediately call a POISON CENTER or doctor.

**2.3 Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Hazardous ingredients:

**SODIUM METABISULPHITE**

EINECS	CAS	CHIP Classification	CLP Classification	Percent
231-673-0	7681-57-4	-	Acute Tox. 4: H302 Eye Dam. 1: H318; -: EUH031	1-10%

**HYDROGEN CHLORIDE**

231-595-7	7647-01-10	-	Acute Tox. 3: H331; Skin Corr. 1A: H314; Press. Gas: H280	1-10%
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**SECTION 4: First aid measures****4.1 Description of first aid measures**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water

- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Wash out mouth with water. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

#### **4.2 Most important symptoms and effects, both acute and delayed**

- Skin contact:** There may be mild irritation at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

Eye bathing equipment should be available on the premises

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

#### **5.2 Special hazards arising from the substance or mixture**

In combustion emits toxic fumes.

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

#### **6.2 Environmental precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3 Methods and materials for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4 Reference to other sections

Refer to section 8 of SDS

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well ventilated area. Keep container tightly closed.

### 7.3 Specific end use(s)

Not applicable

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Hazardous ingredients:

SODIUM METABISULPHITE

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5 mg/m <sup>3</sup>	-	-	-

HYDROGEN CHLORIDE

UK	8 mg/m <sup>3</sup>	8 mg/m <sup>3</sup>	-	-
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**DNEL / PNEC** No data available.

### 8.2 Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of Emergency

<b>Hand protection:</b>	Protective gloves.
<b>Eye protection:</b>	Safety glasses. Ensure eye bath is to hand.
<b>Skin protection:</b>	Protective clothing.
<b>Environmental:</b>	Not applicable

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**State:** Liquid

### 9.2 Other safety information

Not applicable

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below

### 10.4 Conditions to avoid

Heat

### 10.5 Incompatible materials

Strong oxidising agents. Strong acids.

### 10.6 Hazardous decomposition products

In combustion emits toxic fumes.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Hazardous ingredients:**

#### SODIUM METABISULPHIT

IVN	RAT	LD50	115	mg/kg
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ORL	RAT	LD50	1131	mg/kg
SKN	RAT	LD50	>2	gm/km

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.  
Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Other information:** Not applicable.

**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

Biodegradable

**12.3 Bioaccumulative potential**

No bioaccumulation potential.

**12.4 Mobility in soil**

Readily absorbed into soil.

**12.5 Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance

**12.6 Other adverse effects**

Negligible ecotoxicity.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Dispose of as unused product.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## SECTION 14: Transport information

UN Number: UN1789

### 14.2. UN proper shipping name

HYDROCHLORIC ACID

### 14.3. Transport hazard class(es)

**Transport Class:** 8

### 14.4. Packing group

III

### 14.5. Environmental hazards

No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 3

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC)No.1907/2006.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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## SECTION 16: Other information.

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:**

EUH031: Contact with acids liberates toxic gas.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

R31: Contact with acids liberates toxic gas.

R36/38: Irritating to eyes and skin

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.