

---

## MATERIAL SAFETY DATA SHEET

---

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

#### 1.1 Product identifiers

Product name: HAEMATOXYLIN GILL (FORMULA III)

– HST006

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

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification under CHIP:** Acute Tox. 4: H302; Eye Irrit. 2: H318

**Classification under CLP:** Xn: R22

**Most important adverse effects:** Harmful if swallowed. Causes serious eye irritation.

#### 2.2 Label elements

**Label elements under CLP:**

**Hazard statements:** H302: Harmful if swallowed  
H318: Causes serious eye damage.

**Signal words:** Danger

**Hazard pictograms:** GH005: Corrosion  
GHS07: Exclamation mark

**Precautionary statements:**

P264: Wash thoroughly after handling.

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

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor

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

P310: Immediately call a POISON CENTER or doctor.

P330: Rinse mouth.

**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:

**ETHYLENE GLYCOL**

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-473-3	107-21-1		Acute Tox. 4: H302	10-30%

**ALUMINIUM SULPHATE 17% (IRON FREE)**

233-135-0	10043-01-03	Substance with a Community workplace exposure limit	Met. Corr. 1: H290; Eye Dam. 1: H318	1-10%
-----------	-------------	---	---	-------

**ACETIC ACID**

200-580-7	64-19-7	-	Flam. Liq. 3: H226; Skin Corr. 1A: H314	1-10%
-----------	---------	---	--	-------

**SECTION 4: First aid measures****4.1 Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

**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.

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

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

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

Not applicable

---

### **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.

---

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

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

Refer to section 8 of SDS for personal protection details. 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 the formation or spread of mists in the air. Avoid direct contact with the substance.

### 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)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Hazardous ingredients:

ETHYLENE GLYCOL

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	52 mg/m <sup>3</sup> (vapour)	104 mg/m <sup>3</sup> (vapour)	-	-

ALUMINIUM SULPHATE 17% (IRON FREE)

EU	2 mg/m <sup>3</sup>	-	-	-
----	---------------------	---	---	---

DNEL / PNEC No data available.

### 8.2 Exposure controls

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Purple

**Viscosity:** Non-viscous

### 9.2 Other safety information

No data available

---

## 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.

---

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Hazardous ingredients:**

#### ETHYLENE GLYCOL

IVN	RAT	LD50	3260	mg/kg
ORL	MUS	LD50	5500	mg/kg
ORL	RAT	LD50	4700	mg/km

**ALUMINIUM SULPHATE 17% (IRON FREE)**

ORAL	RAT	LD50	>5,000	mg/kg
------	-----	------	--------	-------

**ACETIC ACID...100%**

IVN	MUS	LD50	525	mg/kg
ORL	RAT	LD50	3310	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Acute toxicity (harmful)	ING	Hazardous: calculated

**Symptoms / routes of exposure**

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

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

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

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

Hazardous ingredients:

ALUMINIUM SULPHATE 17% (IRON FREE)

DAPHNIA	96H LC50	38.2	mg/l
---------	----------	------	------

**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.

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

---

## SECTION 14: Transport information

This product does not require a classification for transport.

---

## SECTION 15: Regulatory information

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

### 15.2 Chemical safety assessment

---

## 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:**

- H226: Flammable liquid and vapour.
- H290: May be corrosive to metals.
- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- R22: Harmful if swallowed.

### Further information

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.