
MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name: Haematoxylin Ehrlich
Product code: HST003
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 CLP: Regulation (EC) No. 1272/2008 [CLP]

Hazard Class	Hazard Category	Hazard Statement
Flammable liquid	Category 3	H226
Skin irritation	Category 2	H315
Eye irritation	Category 2	H319

2.2 Label elements

Hazard statements: H315: Causes skin irritation.
H319: Causes serious eye irritation.
H226: Flammable liquid and vapour.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

**Precautionary statements:**

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

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

PBT: Dyes and Stains by their physical nature may result in permanent staining if in contact with skin and clothing.

No substance contained in this product meets the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex XIII; and, no substance within this product is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

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

Hazardous ingredients Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous Components		Classification (Regulation (EC) No 1272/2008 [CLP])		
		Amount [%]	Hazard class/ Hazard category	Hazard Statements
Name:	Ethanol	~30%	FLAM. LIQ. CAT. 2.	H355
CAS NO.	64-17-5			
EC-NO.	200-578-6			
Name:	Glacial acetic acid	3-5%	FLAM. LIQ. CAT. 3. SKIN CORR. CAT. 1A.	H226 H314
CAS NO.	64-19-7			
EC-NO.	200-580-7			
Name:	Aluminium ammonium sulphate	1-2%	N/A	N/A
CAS NO.	7784-26-1			
EC-NO.	232-055-3			
Name:	Methanol	<1.0%	FLAM. LIQ. CAT. 2. ACUTE TOX. CAT. 3.	H225
CAS NO.	67-56-1			

EC-NO.	200-659-6		STOT. SE. CAT. 1.	H301, H311 H370
Name:	Potassium iodate	<0.05%	OX. SOLIDS CAT. 2.	H272
CAS NO.	77-05-6		SKIN IRRIT. CAT. 2.	H315,
EC-NO.	231-831-9		EYE IRRIT. CAT. 2.	H319.
			STOT SE CAT. 3.	H335

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 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.

4.3 Indication of any immediate medical attention and special treatment needed

Eye bathing equipment should be available on the premises.

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. 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

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)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hazardous ingredients:

Component	CAS-No	Value	Control Parameters	Basis
Glacial Acetic Acid	64-19-7	TWA LTEL – 8h STEL – 15mins	10 ppm – 25mg/m ³ 15 ppm – 37mg/m ³	UK.EH40 WEL- Workplace Exposure limit
Methanol	67-56-1	TWA LTEL – 8h STEL – 15mins	200 ppm – 266mg/m ³ 250 ppm – 333mg/m ³	UK.EH40 WEL- Workplace Exposure limit
Ethanol	64-17-5	TWA LTEL – 8h	1000ppm - 1920 mg/m ³	UK.EH40 WEL- Workplace

8.2 Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

Personal protective equipment

Wear suitable protective clothing. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(Without touching glove's outer surface) to avoid skin contact with this product. Dispose of Contaminated gloves should be removed immediately following full contact with the substance.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Wash and dry hands.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Inhalation of oil mist or vapours may cause respiratory irritation. For nuisance exposures use type OV/AG (US) or type ABEK

(EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection:



Goggles recommended during refilling: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) Physical state: Liquid.
- b) Colour: Reddish/purple
- c) Odour: Faintly acetic acid (vinegar)
- d) Melting/freezing point: No data available
- e) Initial boiling point /boiling range: 82 degrees C (untested)
- f) Flammability: No data available
- g) Upper/lower explosion limits: Not applicable
- h) Flash point: Apprx. 28°C (untested)
- i) Auto-ignition temperature: Not applicable
- j) Decomposition temperature: No data available
- k) pH: Apprx. 2.3
- l) Kinematic viscosity: Not applicable
- m) Solubility at 20°C: Water Miscible
- n) Partition coefficient n-octanol/water
- o) Vapour pressure: No data available
- p) Density and/or relative density: No data available
- q) Relative vapour density: Not applicable
- r) Particle characteristics: Not applicable.

9.2 Other safety information

Not applicable.

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

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT INH 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.

SECTION 12: Ecological information

12.1 Toxicity

Not applicable.

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 substance is not identified as a PBT substance.

12.6 Other adverse effects

Negligible ecotoxicity.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

14.1 UN-No.: 1170

14.2 Proper Shipping Name: Ethanol solution

14.3 Class(es): 3 transport hazard class

14.4 Packing group: 3.

14.5 Environmental hazards: Marine pollutant: No

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.

SECTION 16: Other information

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

Phrases used in s.2 and 3:

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

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.