
MATERIAL SAFETY DATA SHEET

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

1.1 Product identifiers

Product Name: Weigerts Haematoxylin A HST204
Product Code: HST204
Brand: Solmedia

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:
Flam. Liq. 2: H225

Most important adverse effects:
Highly flammable.

2.2 Label elements

Hazard statements: H225: Highly flammable liquid and vapour.
Signal words: Danger
Hazard pictograms: GHS02: Flame

**Precautionary statements:**

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

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing.
Rinse skin with water/shower.

P370+378: In case of fire: Use Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder for extinction.

P403+235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to licensed disposal company.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

2.3 Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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

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

EINECS	CAS	CLP Classification	Percent
200-578-6	64-17-5	H225 Flam. Liq. 2	>90%

PROPAN-2-OL

200-661-7	67-63-0	H225 Flam. Liq. 2 H319 Eye Irrit. 2 H336 STOT SE 3	1-10%
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HAEMATOXYLIN POWDER

208-237-3	517-28-2	H302 Acute Tox. 4 H315 Eye Irrit. 2 H319 Eye Irrit. 2 H3365 STOT SE 3	<1%
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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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. 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 irritation of the throat.
Inhalation:	There may be a feeling of tightness in the chest with shortness of breath.

Delayed / immediate effects:

Central nervous system depression, narcosis, Nausea, Dizziness, Damage to the heart. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Heart - Irregularities - Based on Human Evidence

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable

SECTION 5: Firefighting measures

5.1 Extinguishing media

Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

5.2 Special hazards arising from the substance or mixture

Carbon oxides. Highly flammable.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary. Wear protective clothing to prevent contact with skin and eyes. Use water spray to cool unopened containers.

5.4 Further information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Eliminate all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Refer to section 8 of SDS for personal protection details.

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Do not use equipment in clean-up procedure which may produce sparks.

6.4 Reference to other sections

Refer to section 13 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Avoid the formation or spread of mists in the air. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Take measures to prevent the build-up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

7.3 Specific end use(s)

No other specific uses stipulated other than the uses mentioned in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

Respirable dust:

State	8-hour TWA	15 min STEL	8-hour TWA	15 min STEL
UK	1920 mg/m ³	-	-	-

PROPAN-2-OL

UK	999 mg/m ³	1250 mg/m ³	-	-
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DNEL / PNEC

No data available.

8.2 Exposure controls

Engineering measures:

Ensure there is sufficient ventilation of the area. Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of the workday.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under

Hand 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 after use in accordance with application laws and good laboratory practises. Wash and dry hands.

Eye protection:

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin 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.

Environmental:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State:	Liquid
Colour:	no data available
Flash point°C:	15.5 - closed cup

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. Stable at room temperature.

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. Hot surfaces. Sources of ignition. Flames. Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Strong oxidising agents. Strong acids. Alkali metals. Oxidizing agents. Ammonia. Peroxides.

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Hazardous ingredients:****ETHANOL**

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDL0	6	gm/kg

HAEMATOXYLIN POWDER

ORAL	RAT	LD50	400	mg/kg
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Toxicity values: No data available.

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 irritation of the throat.

Inhalation:

There may be a feeling of tightness in the chest with shortness of breath.

Delayed / immediate effects:

Central nervous system depression, narcosis, Nausea, Dizziness,
Damage to the heart.

To the best of our knowledge, the chemical, physical, and
toxicological properties have not been thoroughly investigated.
Heart - Irregularities - Based on Human Evidence

Other information:

Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous ingredients:

PROPAN-2-OL

Daphnia magna	24H EC50	5102.00	mg/l
Fathead Minnow	96H LC50	9640	mg/l

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations:

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

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.

SECTION 14: Transport information

14.1 UN number

UN1170

14.2 UN proper shipping name

Ethanol Solution

14.3 Transport hazard class(es)

3

14.4 Packaging group

II

14.5 Environmental hazards

Environmentally hazardous:

No

Marine pollutant:

No

14.6 Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

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

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

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:

H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

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.