
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: HAEMATOXYLIN (GILLS)
- Product Part Number: PRC/13/1, PRC/13/2, PRC/13/3
- REACH Registration Number: This product is a mixture. REACH Registration Number see Section 3

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

- Use of the substance/mixture: In vitro diagnostic reagent
- Use advised against: All other uses

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: PIONEER RESEARCH CHEMICALS LIMITED
- Address of Supplier: UNIT 7, COMMERCE PARK
WHITEHALL INDUSTRIAL ESTATE
COLCHESTER, ESSEX
CO2 8HX
- Telephone: +44 (0) 1206 791781
- Fax: +44 (0) 1206 793369
- Responsible Person: Supplier
- Email: sales@pioneerresearch.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1206 791781 (Only available during office hours)
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SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- CLP: Acute Tox. 4, STOT SE 2, Skin Irrit. 2, Eye Irrit. 2

2.2 Label elements

- Contains Ethanediol



- Signal Word: Warning
- Hazard statements
 - H302 - Harmful if swallowed.
 - H315 - Causes skin irritation.
 - H319 - Causes serious eye irritation.
 - H373 - May cause damage to organs through repeated or prolonged exposure if swallowed
- Precautionary statements
 - P270 - Do not eat, drink or smoke when using this product.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel

SECTION 2 Hazards identification (....)

unwell.

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

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P314 - Get medical advice/attention if you feel unwell.

2.3 Other hazards

SECTION 3 Composition/information on ingredients

3.1 Mixtures

- Acetic acid ... %

CAS Number: 64-19-7

EC Number: 200-580-7

Concentration: 1 - 5%

REACH Registration Number: 01-2119475328-30

Categories: Flam. Liq. 3 Skin Corr. 1A

H Statements: H226,H314

- Aluminium Sulphate

CAS Number: 10043-01-3

EC Number: 233-135-0

Concentration: 1 - 5%

Categories: Eye Dam. 1

H Statements: H318

- Ethanediol

CAS Number: 107-21-1

EC Number: 203-473-3

Concentration: 60 - 100%

REACH Registration Number: 01-2119456816-28

Categories: Acute Tox. 4, STOT RE 2

H Statements: H302, H373

The full text for all hazard statements are displayed in Section 16

SECTION 4 First aid measures

4.1 Description of first aid measures

- Inhalation

Move the exposed person to fresh air at once.

Get medical attention if any discomfort continues.

- Ingestion

Rinse mouth with water (do not swallow)

Give 200-300mls (half pint) water to drink

Keep warm and at rest

Get medical advice/attention

- Contact with skin

Remove contaminated clothing, wash skin with soap and water. Get medical attention if any discomfort persists.

SECTION 4 First aid measures (....)

- Contact with eyes
Immediately flush with plenty of water for 15 minutes. Remove contact lenses and open eyes wide apart.
Get medical attention

4.2 Most important symptoms and effects, both acute and delayed

- No information available

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire use alcohol resistant foam, carbon dioxide or dry chemicals or water fog

5.2 Special hazards arising from the substance or mixture

- Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂)
- Oxides of sulphur

5.3 Advice for firefighters

- Self contained breathing apparatus and full protective clothing must be worn in case of a fire.
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid spilling, skin and eye contact.
- Provide adequate ventilation.

6.2 Environmental Precautions

- Spillages or uncontrolled discharges into watercourses must be immediately alerted to the Environment agency or other appropriate body

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Remove contaminated material to safe location for subsequent disposal
- Flush spill area with copious amounts of water

6.4 Reference to other sections

- See Section 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid spilling, skin and eye contact.
- Avoid inhalation of vapours/spray mist.

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7 Handling and storage (....)

- Store in closed original container.

7.3 Specific end use(s)

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- Ethanediol
 - UK. EH40 WEL
 - Short term exposure limit (STEL - 15min) 104 mg/m³
40 ppm
 - Time weighted average (TWA - 8hrs) 52 mg/m³
20 ppm

Skin designation: Can be absorbed through skin

WEL = Workplace Exposure Limits
DNEL (inhalational) 35 mg/m³ (Industrial, short term)
DNEL (dermal) 106 mg/kg (Industrial, long term)
PNEC (Fresh water), 10 mg/l
PNEC (Marine water), 1 mg/l
PNEC (Soil), 1.53 mg/l
PNEC (Sewage treatment plant), 199.5 mg/l

8.2 Exposure controls

**Process conditions**

Provide eye wash station and safety shower

Engineering measures

Provide adequate ventilation, including local extraction, to ensure defined occupational exposure limit is not exceeded. Must not be handled in a confined space without sufficient ventilation. Technical measures and appropriate working operations should give priority over the use of personal protective equipment (PPE)

Respiratory equipment

No personal respiratory equipment normally required, in adequately ventilated areas, Where workplace limits are exceeded use self contained breathing apparatus type A filter or appropriate combined filter in compliance with EN141

Eye protection

Wear appropriate safety goggles/glasses tested and approved under EN166. Contact lenses should not be worn.

Skin/ Hand protection

Use gloves. Gloves should meet requirements of EN374. Check breakthrough times with supplier. Breakthrough times can vary depending on thickness, use and source. Gloves should be inspected before use. Change gloves frequently. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves in accordance with applicable legislation and good laboratory practice

Body protection

SECTION 8 Exposure controls/personal protection (....)

The type of protective clothing must be selected according to concentration and the amount of substance at the workplace.

Hygiene measures

Wash skin promptly if contaminated. Do not eat, drink or smoke when handling chemicals

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, red
- Odour: Slight
- Odour threshold Not known mg/m³
- pH: Not known
- Melting point/Range: Not known
- Boiling Point/Range: Not known
- Flashpoint: Not known
- Evaporation Rate: Not known
- Flammability: Not known
- Vapour Pressure: Not known
- Vapour Density: Not known
- Specific Gravity: Not known
- Solubility in water: Completely soluble in water
- Partition Coefficient (n-Octanol/Water): Not known
- Autoignition Temperature Not known°C
- Viscosity: Not known

9.2 Other information

SECTION 10 Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- Considered stable under normal conditions and recommended use

10.3 Possibility of hazardous reactions

- No information available

10.4 Conditions to avoid

- Avoid exposure to high temperatures or direct sunlight

10.5 Incompatible materials

- Strong oxidising substances
- Strong alkalis
- Strong acids

10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Additional information
no data available

Inhalation
May cause irritation to the respiratory system or lungs

Ingestion
May cause internal injury

Skin contact
May cause skin irritation/eczema

Eye contact
Irritating to eyes

Target Organs
Liver, Kidneys

SECTION 12 Ecological information

12.1 Toxicity

- No information available

SECTION 12 Ecological information (....)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

SECTION 13 Disposal considerations

Waste to be considered as controlled waste. Disposal to licensed waste contractor in accordance with local waste management

13.1 Waste treatment methods

- Dispose of contents/container to an authorised waste collection point. Make sure containers are empty before disposing
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN Number

- UN No.: Not applicable

14.2 Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Transport in bulk according to Annex II of MARPOL and the IBC code

- Not applicable
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SECTION 15 Regulatory information

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

SECTION 15 Regulatory information (....)

- Refer to current COSHH Regulations
- Refer to current CPL Regulations
- Refer to Health and Safety at Work Act

15.2 Chemical Safety Assessment

- No chemical safety assessment has been carried out
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H226: Flammable liquid and vapour. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H373: May cause damage to organs through prolonged or repeated exposure.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.