

Safety Data Sheet

According to Regulation (EC)
No. 1907/2006 (REACH)

Sach's Water Culture Medium – Normal 026040

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

1.1 Product identifier

Product name: Sach's Water Culture Medium - Normal
Product number: 026040
SDS number: 905053
CAS No.:
EC No.:
Index No.:

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

Identified use(s): Sach's water culture medium is for use in educational science experiments.
Professional use only. Use only as described in the Sach's water culture set user notes and safe handling instructions.

Uses advised against: Follow supplier's recommendations on correct use of the product.

1.3 Details of the supplier of the safety data sheet

Supplier: Philip Harris Manufacturing Limited.
Unit 72, Gazelle Road
Weston Industrial Estate
Weston-super-Mare
BS24 9BJ

Telephone: +44 (0)1934 413 606

Fax: +44 (0)1934 626 421

E-mail: sdsinfo@philipharrismanufacturing.co.uk

1.4 Emergency telephone number

In case of emergency, call: +44 (0)1934 413 606 (Mon – Fri, 08:30 – 17:00 UK time)

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 (CLP)

2.1.2. Classification according to Directive 67/548/EEC & Directive 1999/45/EC

2.2 Label elements

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2.2.1. Label according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictogram(s):



Signal Word:

Oxidising

Hazard Statement(s):

H270 May cause or intensify fire; oxidizer

Precautionary Statement(s):

P221 Take any precautions to avoid mixing with combustibles.
P233 Keep container tightly closed

Supplemental Hazard
information (EU):

None.

2.3 Other hazards

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification (Regulation (EC) No. 1272/2008 (CLP))	Classification (Directive 67/548/EEC)

See Section 16 for full description of R phrases and H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

INHALATION: Remove person to fresh air and keep comfortable for breathing. Keep warm and at rest. If irritation persists or if you feel unwell, obtain immediate medical attention.

SKIN CONTACT: Take off immediately all contaminated clothing. Rinse skin with water/shower for at least 15 minutes. Obtain immediate medical attention. Contaminated clothing should be washed before reuse.

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EYE CONTACT: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, making sure to rinse under eyelids. Obtain immediate medical attention.

INGESTION: Do not induce vomiting. Provided the patient is conscious, rinse mouth out with water and give 200-300 mL of water to drink. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

4.3 Indication of any immediate medical attention and special treatments needed:

In case of accident or if you feel unwell, seek medical advice immediately. If breathing is laboured, oxygen should be administered by qualified personnel.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media

Suitable extinguishing media: Water spray, CO₂, sand, dry powder.

Unsuitable extinguishing media: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

5.3 Advice for fire-fighters

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours/spray. Wear suitable personal protective equipment. Wear appropriate respirator when ventilation is inadequate (See Section 8).

6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable protective clothing (See Section 8). Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

6.3 Methods and materials for containment and clearing up

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6.3.1 For containment

Stop the leak if it is safe to do so. Contain the spillage with sand, earth or any suitable adsorbent material.

6.3.2 For cleaning up

In case of spillage of entire contents: Use sand, earth or any suitable non-combustible adsorbent material to adsorb spillages. Dispose of contaminated material as waste according to Section 13.

contaminated material as waste according to Section 13.

6.3.3 Other advice

6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for waste disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Workplace exposure limits

Source:

Substance	CAS No.	LTEL (8 hr TWA)		STEL (15 min)		Comments
		ppm	mg/m ³	ppm	mg/m ³	

8.2 Exposure controls

8.2.1 Appropriate engineering controls

8.2.2 Personal protection

Eye protection:

Goggles or safety glasses with side shields giving complete protection to eyes (EN 166).

Skin protection:

Protective Clothing

Hand protection:

Chemical-resistant gloves conforming (EN 374). Nitrile rubber gloves are recommended for normal use. Butyl rubber gloves are

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recommended if the contents of the generator are released. Contact glove supplier to confirm suitable glove material, thickness and breakthrough times.

Other: Long sleeve protective clothing.

Respiratory protection: Not normally required. Dust mask if conditions are dusty.

Thermal hazards: Not applicable.

8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:

Odour:

Odour threshold:

pH:

Melting/freezing point:

Initial boiling point and boiling range:

Flash point:

Evaporation rate:

Flammability (solid; gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density:

Solubility(ies):

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Explosive properties:

Oxidising properties:

9.2 Other information

None known.

SECTION 10: Stability and Reactivity

10.1 Reactivity

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- 10.2 Chemical stability
- 10.3 Possibility of hazardous reactions
- 10.4 Conditions to avoid
- 10.5 Incompatible materials
- 10.6 Hazardous decomposition products

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Skin corrosion/irritation

Serious eye damage/irritation

Skin sensitisation

Respiratory sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific Target Organ Toxicity –
single exposure

Specific Target Organ Toxicity –
repeated exposure

Aspiration hazard

Information on likely routes of exposure

Inhalation

Skin contact

Eye contact

Ingestion

Symptoms related to the physical, chemical and
toxicological characteristics

Mixture versus substance Information

Other information

SECTION 12: Ecological Information

- 12.1 Toxicity
- 12.2 Persistence and degradability
- 12.3 Bioaccumulative potential
- 12.4 Mobility in soil
- 12.5 Results of PBT and vPvB

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assessment
12.6 Other adverse effects

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

To be disposed of as hazardous waste. Disposal should be in accordance with local, state or national legislation.

SECTION 14: Transport Information

ADR

- 14.1 UN Number
- 14.2 UN Proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards
- 14.6 Special precautions for the user

ADN

- 14.1 UN Number
- 14.2 UN Proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards
- 14.6 Special precautions for the user

RID

- 14.1 UN Number
- 14.2 UN Proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards
- 14.6 Special precautions for the user

IATA/ICAO

- 14.1 UN Number
- 14.2 UN Proper shipping name
- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards
- 14.6 Special precautions for the user

IMDG

- 14.1 UN Number
- 14.2 UN Proper shipping name

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- 14.3 Transport hazard class(es)
- 14.4 Packing group
- 14.5 Environmental hazards
- 14.6 Special precautions for the user
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

SECTION 15: Regulatory Information

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

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP), Directive 67/548/EEC & Directive 1999/45/EC.

15.2 Chemical Safety Assessment

A chemical safety assessment is not required and has not been carried out.

SECTION 16: Other Information

Full text of relevant R-phrases and/or H-statements:

Hazard Statement(s): H270 May cause or intensify fire; oxidizer

Supplemental Hazard information (EU): None

Risk phrase(s): P221 Take any precautions to avoid mixing with combustibles.
P233 Keep container tightly closed

Abbreviations:

CAS: Chemical Abstracts Service;
EINECS: European Inventory of Existing Commercial Chemical Substances
EC₅₀: Effective Concentration 50%
EL₅₀: Effective Loading rate 50%
IC₅₀: Inhibitory Concentration 50%
LC₅₀: Lethal Concentration 50%
LD₅₀: Lethal Dose 50%

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LL₅₀: Lethal Loading rate 50%
LCLo: Lowest lethal concentration
LOEL: Lowest Observed Effect Level
NOEL: No Observed Effect Level
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.

References:

Supplier's Safety Data Sheets for ingredients
ECHA disseminated REACH dossiers
ECHA Classification & Labelling Inventory
Approved Classification and Labelling Guide (Sixth edition)
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP)
Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)

Disclaimer:

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

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