Sach's Water Culture Medium – Lacking Iron 026035

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

1.1 Product identifier

Product name: Sach's Water Culture Medium – Lacking Iron
Product number: 026035
SDS number: 905051
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: WF Education Group

Phoenix House
Battlefield Enterprise Park
Stafford Drive
Shrewsbury
Shropshire
SY1 3FE
UNITED KINGDOM

Telephone: +44(0)1743 812 200

Fax:

E-mail: customer.support@wf-education.com

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

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.

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, CO_2, 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

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/m³	ppm	mg/m³	

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 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
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 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
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
EC_{50}:	Effective Concentration 50%
EL_{50}:	Effective Loading rate 50%
IC_{50}:	Inhibitory Concentration 50%
LC_{50}:	Lethal Concentration 50%
LD_{50}:	Lethal Dose 50%
LL_{50}:	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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