



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Mobile Phase 4.3
 CAS No. 7732-18-5
 EC No. Not applicable.
 REACH Registration No. Not known.

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

Identified Use(s) PC21 Laboratory chemicals
 Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer
 Company Identification Rathburn Chemicals Ltd
 Address of Manufacturer 6 Caberston Road
 Walkerburn
 Peeblesshire
 Scotland
 Postal code EH43 6AU
 Telephone: 00 (44) (0) 1 896 870 651
 E-mail sales@rathburn.co.uk
 Office hours 09.00-17.00
 Supplier

Company Identification Rathburn Chemicals Ltd
 Address of Supplier 6 Caberston Road
 Walkerburn
 Peeblesshire
 Scotland
 Postal code EH43 6AU
 Telephone: 00 (44) (0) 1 896 870 651
 E-mail sales@rathburn.co.uk
 Office hours 09.00-17.00

1.4 Emergency telephone number

Emergency Phone No. 00 (44) (0) 1 896 870 651 or 07807 520501
 Contact Roddy Stoddart.

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 4 :Harmful if swallowed.
 Acute Tox. 4 :Harmful in contact with skin.
 Acute Tox. 4 :Harmful if inhaled.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
 Product Name Mobile Phase

Hazard Pictogram(s)



GHS07

Signal Word(s) Warning

Hazard Statement(s) H302: Harmful if swallowed.
 H312: Harmful in contact with skin.
 H332: Harmful if inhaled.

Precautionary Statement(s) P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands and exposed skin thoroughly after handling.



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/doctor if you feel unwell.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
water	7732-18-5	231-791-2	92	Not classified	
acetonitrile	75-05-8	200-835-2	7.2	Flam. Liq. 2 H225 Acute Tox. 4 H302 Acute Tox. 4 H312 Eye Irrit. 2 H319 Acute Tox. 4 H332	GHS02 GHS07
sodium acetate	127-09-3	204-823-8	0.2	Acute Tox. 5 H303	

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Call a POISON CENTER/doctor if you feel unwell.
 Skin Contact Take off contaminated clothing and wash it before reuse. Specific treatment (see Medical Advice on this label). Call a POISON CENTER/doctor if you feel unwell.
 Eye Contact Treat symptomatically.
 Ingestion Rinse mouth. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.
 Unsuitable extinguishing media None.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire giving off toxic fumes.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.



6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Use vacuum equipment for collecting spilt materials, where practicable.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature: Ambient.
 Storage life: Stable under normal conditions.
 Incompatible materials: None known.

7.3 Specific end use(s)

PC21 Laboratory chemicals

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Acetonitrile	75-05-8	40	68	60	102	

Region: Europe
 Source: EU Occupational Exposure Limits
 United Kingdom: Workplace Exposure Limits (WEL)

Remark: Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls: Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment



Eye Protection: Wear eye protection with side protection (EN166).



Skin protection: Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection: A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards: None known.

8.2.3. Environmental Exposure Controls: Avoid release to the environment.



9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Not known.
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Self classification: Harmful if swallowed.
Acute toxicity - Skin Contact	Self classification: Harmful in contact with skin.
Acute toxicity - Inhalation	Self classification: Harmful if inhaled.

Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified
Lactation	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Other information

Not known.



12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and Degradation

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Dispose of this material and its container to hazardous or special waste collection point.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Community Rolling Action Plan (CoRAP)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council

on persistent organic pollutants

Regulation (EC) N° 2037/2000 on substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the European Parliament and of the Council

concerning the export and import of hazardous chemicals

Other

National regulations

Other

Not known.

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

Not listed

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND



Hazard Pictogram(s)



GHS07

GHS02: GHS: flame

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4
 Acute Tox. 5 : Acute toxicity, Category 5
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2
 Flam. Liq. 2 : Flammable liquid, Category 2

Hazard Statement(s)

H225: Highly flammable liquid and vapour.
 H302: Harmful if swallowed.
 H303: May be harmful if swallowed.
 H312: Harmful in contact with skin.
 H319: Causes serious eye irritation.
 H332: Harmful if inhaled.

Precautionary Statement(s)

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands and exposed skin thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P321: Specific treatment (see Medical Advice on this label).
 P330: Rinse mouth.
 P362+P364: Take off contaminated clothing and wash it before reuse.
 P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

CAS : Chemical Abstracts Service
 CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
 DNEL : Derived No Effect Level
 EC : European Community
 EINECS : European Inventory of Existing Commercial Chemical Substances
 LTEL : Long term exposure limit
 PBT : Persistent, Bioaccumulative and Toxic
 PNEC : Predicted No Effect Concentration
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
 STEL : Short term exposure limit
 STOT : Specific Target Organ Toxicity
 vPvB : very Persistent and very Bioaccumulative

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