AnalytiChem Belgium NV
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SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

1.1 Product identifier

Product Nr.	CL05.1141
Trade name	Potassium hydroxide 0.05 mol/l
REACH Registration Number	01-2119487136-33
CAS-No.	1310-58-3

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

Identified uses: Reagent for analysis

In compliance with the conditions described in the annex to this safety data sheet.

1.3 Information provided by AnalytiChem Belgium NV product service.

Responsible department: AnalytiChem Belgium NV
Industriezone "De Arend" 2
B-8210 Zedelgem
BELGIUM
Tel. +32 50 28 83 20 e-mail: info.be@analytichem.com

1.4 Emergency telephone: 00 (32) 50.28.83.20

2. Hazard identification

2.1 Classification of the substance or the mixture (EG 1272/2008)

For the full text of H-sentences mentioned in this Section, see Section 16

For the full text of R-sentences mentioned in this Section, see Section 16

2.2 GHS-Labelling

This substance is not classified as dangerous according to European Union legislation.

3. Composition / Information on ingredients.

3.1 Substance

Not applicable

3.2 Mixture

CAS-No.	1310-58-3
EC-Nr	215-181-3
Index-No	019-002-00-8
Formula	KOH/H2O

4. First aid measures.

4.1 Description of first aid measures

General advice

First-aid personnel: ensure self-protection!

After inhalation: None

After contact with skin: None

After contact with eyes: None

After ingestion: None

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

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5. Fire fighting measures.

5.1 Extinguishing media

Suitable extinguishing media
In adaption to materials stored in the immediate neighbourhood.
Unsuitable extinguishing media
Not of application.

5.2 Special hazards arising from substance or mixture
Not of application.

5.3 Advice for firefighters
Not of application.

5.4 Further information
No data available

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6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures
When used appropriate no negative effects are known.
For personal protection see section 8.

6.2 Environmental precautions
No special dangers are known by use.

6.3 Methods and materials for containment and cleaning up
Dilute with large quantities of water.

6.4 Reference to other sections
For disposal see section 13.

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7. Handling and storage.

7.1 Precautions for safe handling
No special measures necessary. The product should be handled with the care usual when dealing with chemicals.
For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities
None
Recommended storage temperature see product label.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls - Personal protection.

8.1 Control parameters

8.2 Exposure controls

Engineering measures
Protective clothing should be selected specificlly for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

See section 7.1

Individual protection measures
Not required.

Respiratory protections
Not required.
The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Eye protection
Required.

Hand protection
Not required.

Body protection
Not required.

Environmental exposure controls
No special dangers are known by use.

9. Physical and chemical properties.

9.1 Information on basic physical

Appearence	
Form:	Liquid
Colour:	Colourless
Odour:	Odourless
Changes in physical state	
Melting Point:	0°C
Boiling point:	100°C
Flash point:	-
Self Ignation temperature:	-
Mol. Weight:	56.11 g/mol
Density:	1,00 g/ml
pH value:	-
Solubility in water:	soluble
Explosion limits:	

9.2 Other data
No further relevant information available.

10. Stability and reactivity.

10.1 Reactivity

See section 10.3

10.2 Chemical stability
No further relevant information available.

10.3 Possibility of hazardous reactions
Dangerous reactions are not expected handling the product according to its intended use.

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
No further relevant information available.

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11. Toxicological information.

11.1 Information on toxicological effects

Acute oral toxity
LD50 orl. rat 273 mg/kg

Acute inhalation toxity
No further relevant information available.

Acute dermal toxity
No further relevant information available.

Skin irritation
No further relevant information available.

Eye irritation
No further relevant information available.

Sensitisation
No further relevant information available.

Germ cell mutagenicity
No further relevant information available.

Carcinogenicity
No further relevant information available.

Reproductive toxity
No further relevant information available.

Teratogenicity
No further relevant information available.

Specific target organ toxity - single exposure
No further relevant information available.

Specific target organ toxity - repeated exposure
No further relevant information available.

Aspiration hazard
No further relevant information available.

11.2 Further information
No further relevant information available.

Further data:
Handle in accordance with good industrial hygiene and safety practice..

12. Ecological information.

12.1 Toxity
No further relevant information available.
12.2 Persistence and degradability
No further relevant information available.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment
No further relevant information available.

12.6 Other adverse effects
No ecological problems are to be expected when the product is hand led and used with due care and attention

13. Disposal considerations.

Product: Chemicals must be disposed of in compliance with the respective national regulations. Packaging: Chem-lab product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14. Transport information.

Land Transport (ADR/RID)

14.1 UN number	UN
14.2 Proper shipping name	-
14.3 Class	
14.4 Packing group	
14.5 Environmentally hazardous	-
14.6 Special precautions for user	no

Tunnel restriction code

Inland waterway transport (ADN)
Not relevant

Air Transport (IATA)

14.1 UN number	UN
14.2 Proper shipping name	-
14.3 Class	
14.4 Packing group	
14.5 Environmentally hazardous	-
14.6 Special precautions for user	no

Sea Transport (IMDG)

14.1 UN number	UN
14.2 Proper shipping name	-
14.3 Class	
14.4 Packing group	
14.5 Environmentally hazardous	-
14.6 Special precautions for user	no

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant

15. Regulatory information.

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

For this product an assessment was not carried out.

15.2 Chemical Safety Assesment

For this product an assessment was not carried out.

16. Other information.

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although outmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.