AnalytiChem Belgium NV
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SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

1.1 Product identifier

Product Nr.	CL05.1103
Trade name	Potassium dichromate 0.0167 mol/l
REACH Registration Number	01-2119454792-32
CAS-No.	7778-50-9

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)

Germ cell mutagenicity, Categorie 1B, H340
Carcinogenicity, Categorie 1B, H350
Reproductive toxicity, Categorie 1B, H360
Acute toxicity, Inhalation, Categorie 2, H373
Specific target organ toxicity - repeated exposure, Categorie 3, H412

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

GHS-Labelling Labelling (REGULATION (EC) No 1272/2008) (EG 1272/2008)
Hazard pictograms:

Signal word:
Danger :

Hazard statements:

H340	May cause genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.

Reduced labelling
Hazard pictograms:

Signal word:
Danger :

Hazard statements:

H340	May cause genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H412	Harmful to aquatic life with long lasting effects.
EUH208	May produce an allergic reaction.

Precautionary statements:

P201	Obtain special instructions before use.
P308 + P313	IF exposed or concerned: Get medical advice/attention.

3. Composition / Information on ingredients.

3.1 Substance

Not applicable

3.2 Mixture

Hazardous Ingredients:
Name according to EC directives:

Component	Cas-No.	Concentration	Classification (REGULATION (EC) No 1272/2008)
Potassium dichromate a.r.	7778-50-9	≥0,1%-<1%	Carc. 1B (H350) Muta. 1B (H340) Repr. 1B (H360FD) Ox. Sol. 2 (H272) Acute Tox. (inhal.) 2 (H330) Acute Tox. (oral) 3 (H301) STOT RE 1 (H372) Skin Corr. 1B (H314) Resp. Sens. 1 (H334) Skin Sens. 1A (H317)

Component	Reach Number
Potassium dichromate a.r.	01-2119454792-32

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

4. First aid measures.

4.1 Description of first aid measures

General advice

First-aid personnel: ensure self-protection!

After inhalation: Fresh air. If breathing stops immediately apply mechanical ventilation, if necessary oxygen mask. Immediately call in physician.

After contact with skin: Wash off with plenty of water. Remove contaminated clothing. Immediately call in physician.

After contact with eyes: Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately call an ophtalmologist.

After ingestion: Never give anything by mouth to an unconscious person. Make the victim drink plenty of water, induce vomiting. Call in physician.

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

5. Fire fighting measures.

5.1 Extinguishing media

Suitable extinguishing media
In adaption to materials stored in the immediate neighbourhood.
Unsuitable extinguishing media
Prevent fire-fighting water from entering surface water or groundwater.

5.2 Special hazards arising from substance or mixture

Non-combustible. A fire-promoting effect must be considered possible when large amounts of the substance are stored.

5.3 Advice for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

5.4 Further information

No data available

6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures

Avoid substance contact. Avoid generation of dusts, do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
For personal protection see section 8.

6.2 Environmental precautions

Do not allow to enter sewerage system.

6.3 Methods and materials for containment and cleaning up

Take up dry. Forward for disposal. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage.

7.1 Precautions for safe handling

Work under hood. Do not inhale substance . Avoid generation of vapours/aerosols.
For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Tightly closed and dry. Separately or together with other oxidizing substances only and away from sources of ignition, combustible materials and heat.
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
Immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood . Do not inhale substance.

Respiratory protections
Required when dusts are generated.
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
Required.

Body protection
Required.

Environmental exposure controls
Do not allow to enter sewerage system.

9. Physical and chemical properties.

9.1 Information on basic physical

Appearence	
Form:	Liquid
Colour:	orange
Odour:	Odourless
Changes in physical state	

Melting Point:	0°C
Boiling point:	100°C
Flash point:	-
Self Ignation temperature:	-
Mol. Weight:	294.19 g/mol
Density:	1,00 g/ml
pH value:	-
Solubility in water:	soluble
Explosion limits:	

9.2 Other data

No further relevant information available.

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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

Avoid contact with acids, metals, combustible materials, heat and sun light.

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 25 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..

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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

Do not allow to enter waters, waste water, or soil!

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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.

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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	yes

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	yes

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	yes

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.

Full text of H-Statements referred to under sections 2 and 3.

H272	May intensify fire; oxidiser.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H340	May cause genetic defects.
H350	May cause cancer.
H360	May damage fertility or the unborn child.
H360FD	May damage fertility. May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.