AnalytiChem Belgium NV
Industriezone “De Arend” 2
B-8210 ZEDELGEM - BELGIUM
Tel.: (32)-50-288320
Fax.: (32)-50-782654

SAFETY DATA SHEET

1. Identification of the substance / preparation and company.

1.1 Product identifier

Product Nr.	CL00.1101
Trade name	Carbon activated (granular ±3 mm)
REACH Registration Number	01-2119488894-16
CAS-No.	7440-44-0

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

CAS-No.	7440-44-0
EC-Nr	231-153-3
Formula	C

Component	Cas-No.	Concentration	Classification (REGULATION (EC) No 1272/2008)
Carbon activated (granular ±3 mm)	7440-44-0	C	

Component	Reach Number
Carbon activated (granular ±3 mm)	01-2119488894-16

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

3.2 Mixture

Not applicable

---

4. First aid measures.

4.1 Description of first aid measures

General advice

First-aid personnel: ensure self-protection!

After inhalation: Fresh air.

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 with the eyelid held wide open.

After ingestion: Make victim drink plenty of water.

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
All media suitable
Unsuitable extinguishing media
Not of application.

5.2 Special hazards arising from substance or mixture

Combustible. Danger of dust explosion. Spontaneously flammable.

5.3 Advice for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus.

5.4 Further information

No data available

---

6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dusts, do not inhale dusts.
For personal protection see section 8.

6.2 Environmental precautions

None

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

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

Tightly closed in a dry place.
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. Wash hands after working with 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
Not required.

Environmental exposure controls
None

9. Physical and chemical properties.

9.1 Information on basic physical

Appearence	
Form:	Solid
Colour:	black
Odour:	Odourless
Changes in physical state	
Melting Point:	-
Boiling point:	-

Flash point:	-
Self Ignation temperature:	-
Mol. Weight:	12.01 g/ml
Density:	1,8-2,1 g/cm3
pH value:	pH 4-7 (50 g/l H2O susp.)
Solubility in water:	insoluble
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

Explosible with air in a vaporous/gaseous state when heated

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.

---

11. Toxicological information.

11.1 Information on toxicological effects

Acute oral toxity
Quantitative data on the toxicity of this product are not available.

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.

Exposure scenario 1 (Industrial use)

1. Industrial use Reagent for analysis, (Chemical production)

Sectors of end-use

SU 3	Industrial uses: Uses of substances as such or in preparations at industrial sites
SU 9	Manufacture of fine chemicals
SU10	Formulation [mixing] of preparations and/ or re-packaging (excluding alloys)

Chemical product category

PC19	Removed from PC list and relocated in the technical function list (Table R.12- 15)24.
PC21	Laboratory chemicals

Process categories

PROC 1	Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC 2	Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
PROC 3	Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
PROC 4	Chemical production where opportunity for exposure arises
PROC 5	Mixing or blending in batch processes
PROC 8a	Transfer of substance or mixture (charging and discharging) at non- dedicated facilities 26
PROC 8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities26
PROC 9	Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
PROC10	Roller application or brushing

PROC15 Use as laboratory reagent

Environmental Release Categories

ERC 1 Manufacture of the substance

ERC 2 Formulation into mixture

ERC 4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC 6a Use of intermediate

ERC 6b Use of reactive processing aid at industrial site (no inclusion into or onto article)

2. Contributing scenarios: Operational conditions and risk management measures

---

Exposure scenario 2 (Professional use)

1. Industrial use Reagent for analysis, (Chemical production)

Sectors of end-use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Chemical product category

PC21 Laboratory chemicals

Process categories

PROC15 Use as laboratory reagent

Environmental Release Categories

ERC 2 Formulation into mixture

ERC 6a Use of intermediate

ERC 6b Use of reactive processing aid at industrial site (no inclusion into or onto article)

2. Contributing scenarios: Operational conditions and risk management measures