

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

1.1. Product Identifier

Substance Name

Liquid Carbon

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

Relevant identified uses

Alcohol purification

2 Hazards Identification

2.1. Classification of the substance or mixture

Classification under Regulation (EC) No 1728/2008

No hazards identified

2.2. Other hazards

Hazards not otherwise classified

Wet activated carbon depletes oxygen from air and therefore dangerously low levels of oxygen may be encountered. Oxygen levels should be monitored and work procedures for potentially low oxygen areas should be followed.

3 First aid measures

3.1. Description of first aid measures

General Information

Move patient out of dangerous area and into fresh air. Consult a physician.

Following inhalation

Move patient into fresh air immediately. Rinse nose and mouth with water. Get medical attention if any irritation or discomfort develops.

Following skin contact

Remove contaminated clothing/shoes immediately, clean and dry thoroughly before re-use. If on skin, immediately flush skin with plenty of water. Consult a doctor if any discomfort or skin irritation develops.

Following eye contact

Separate eyelids and rinse thoroughly with plenty of water for at least 15 minutes, holding eyelids open. Remove contact lenses. Obtain medical attention.



LIQUID CARBON

Following ingestion

Rinse mouth thoroughly with water. Give at least 12 L of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Seek medical assistance immediately.

3.2. Most important symptoms and effects, both acute and delayed

Symptoms and effects

If large amounts are ingested orally, congestion may occur.

3.3. Indication of any immediate medical attention and special treatment needed

Note to doctor

Medications efficiency can be reduced by the absorbing power of the activated carbon.

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Firefighting measures

4.1. Extinguishing media

Extinguishing media

Dry chemical powder, water fog, foam

Unsuitable

Water jet

4.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting

Toxic fumes emitted during combustion.

Hazardous combustion products

Carbon will burn in a fire, releasing combustion products of carbon monoxide and carbon dioxide.

5

Accidental release measures

5.1. Personal precautions, protective equipment and emergency procedures

Non-emergency personnel

Ensure adequate ventilation.
Use personal protective equipment as described in section 7.

For emergency responders

Self-contained breathing apparatus and protective clothing.



5.2. Environmental precautions

Do not discharge into drains or waterways.

5.3. Methods and material for containment and cleaning up

Use a non-sparking shovel to put the material into a suitable waste disposal container.
Retrieve the product by mechanical means (sweeping / vacuuming).

5.4. Other information

Personnel involved in clean up need protection against skin and eye contact and inhalation of dust or mist.

5.5. Reference to other sections

Wear protective clothing as described in section 7. For waste disposal, see section 12.

6 Handling and storage

6.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation.
Handle in accordance with good industrial hygiene and safety practice.
Avoid prolonged contact with skin and eyes.
Wear protective gloves and safety glasses or goggles. Use in a well ventilated area.

Advice on protection against fire

Keep away from sources of heat and sources of ignition – No smoking.

6.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Store in original packaging, in a well-ventilated area. Keep away from any chemical (solvents and strong oxidisers) and heat sources.

Further information on storage conditions

Storage of wet activated carbon in a closed area can deplete oxygen from air.



7 Exposure controls / personal protection

7.1. Control parameters

Components	CAS - No.	Value	Control parameters
Non otherwise classified dusts	7440-44-0	TWA	4 mg/m ³
Activated Carbon	7440-44-0	TWA	10 mg/m ³
Sodium Metabisulphite	7681-57-4	TWA	5 mg/m ³

Further Information

Where no specific short term exposure limit is stated, a figure three times the long term exposure limit should be used

7.2. Exposure control

Personal protective equipment (PPE)



Engineering Controls

Local exhaust ventilation is recommended.

Hand protection

Gloves and overalls should be worn when handling this product.

Eye protection

Tightly fitting safety goggles should be worn. Provide an eyewash station nearby.

Skin and body protection

Gloves and overalls should be worn when handling this product.
Wear a disposable half-mask dust filter in accordance with standard EN149.

Hygiene measures

Do not eat, drink or smoke in work area. Wash hands before breaks, smoking, using the toilet and at the end of workday. General industrial hygiene practice.

7.3. Environmental exposure controls

General advice

Prevent from entering in public sewers or the immediate environment.



8 Physical & Chemical Properties

8.1. Information on basic physical and chemical properties

Physical state	Liquid
Form	Slurry
Colour	Black
Water solubility	Insoluble

9 Stability and reactivity

9.1. Reactivity

No reactivity under the specified conditions of storage, shipment and use.

9.2. Chemical stability

Stable under recommended handling and storage conditions in section 6.

9.3. Possibility of hazardous reactions

In contact with solvents and strong oxidisers

9.4. Conditions to avoid

Heat and ignition sources

9.5. Incompatible Materials

Strong oxidisers, solvents and combustible materials

9.6. Hazardous decomposition products

Carbon oxides (CO, CO₂)



10 Toxicology Information

10.1. Information on toxicological effects

Skin corrosion/irritation	May cause skin irritation
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Serious eye damage	May cause eye irritation
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11 Ecological information

11.1. Persistence and degradability

Biodegradability	Not readily biodegradable
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12 Disposal considerations

12.1. Waste treatment methods

Waste disposal according to directive 2008/96/EC, covering waste and dangerous waste

Product / packaging disposal	Empty container completely. Keep label(s) on container. Dispose of to a certified disposal contractor. Dispose of waste to licensed waste disposal site in accordance with local regulations and the requirements of the local Waste Disposal Authority.
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13 Transport information

UN number	1362	UN proper shipping name	CARBON, ACTIVATED
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Transport hazard class(es)	4.2	Packaging group	III
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13 Regulatory information

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

Other EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
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