

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

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

1.1 Product Identifier

Substance Name:	Liquid Activated Carbon
Trade Name(s):	-
REACH Registration number:	-
CAS number:	-

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

Relevant identified uses:	Alcohol purification, Food production, Liquid purification
Uses advised against:	-

1.3 Details of the supplier of the safety data sheet

Company:	Gert Strand AB, Svarvareg 3, 23351 Svedala, Sweden.
Contact details:	Tel: +46(0)40-18325 Fax: +46(0)40-18325 kontakt@gertstrand.se
Opening Hours:	Monday-Thursday: 08:00 – 17:00 GMT Friday: 08:00 – 14:00 GMT

1.4 Emergency telephone number

Emergency telephone number:	Swedish Poisons Information Centre: +46 10 456 6700 Gert Strand +46(0)40-18325
------------------------------------	---

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1728/2008	No hazards identified
--	-----------------------

2.2 Label Elements

Labelling according to regulation (EC) no 1272/2008

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

Hazard pictograms:	-
Signal word:	-
Hazard Statements:	-
Precautionary statements:	-

2.3 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.
--	---

SECTION 3: Composition / information on ingredients

3.1 Substances

Hazardous substance(s):	-
--------------------------------	---

3.2 Mixtures

Hazardous substance(s):	-
--------------------------------	---

SECTION 4: First aid measures

4.1 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.
Following ingestion:	Rinse mouth thoroughly with water. Give at least ½ 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.

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

Self-protection of first-aiders:	No data available
4.2 Most important symptoms and effects, both acute and delayed	
Symptoms and effects:	If large amounts are ingested orally, congestion may occur.
Risks:	No data available
4.3 Indication of any immediate medical attention and special treatment needed	
Special treatment:	-
Note to doctor:	Medications efficiency can be reduced by the absorbing power of the activated carbon.
SECTION 5: Firefighting measures	
5.1 Extinguishing media	
Extinguishing media:	Dry chemical powder, water fog, foam
Unsuitable extinguishing media:	Water jet
5.2 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.
SECTION 6: Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	
Non-emergency personnel:	Ensure adequate ventilation. Use personal protective equipment as described in section 8.
For emergency responders:	Self-contained breathing apparatus and protective clothing.
6.2 Environmental precautions	
Environmental precautions:	Do not discharge into drains or waterways.
6.3 Methods and material for containment and cleaning up	
Methods for 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).

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

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

6.4 Reference to other sections

Reference to other sections:

Wear protective clothing as described in section 8.
For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 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 and explosion

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

7.2 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.

7.3 Specific end use(s):

Specific use(s):

See section 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

WEL (UK) – long term exposure limit:

No data available

WEL (UK) – short term exposure limit:

No data available

Components	CAS – No.	Value	Control parameters	Update	Basis
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	-	-

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

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

8.2 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.

Environmental exposure controls:

General advice:	Prevent from entering in public sewers or the immediate environment.
------------------------	--

SECTION 9: Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Form:	Slurry
Colour:	Black
Odour:	No data available
Odour Threshold:	No data available
Flash point:	No data available
Lower explosion limit:	No data available

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

Upper explosion limit:	No data available
Flammability (solid, gas):	No data available
Oxidising properties:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Melting point / freezing point:	No data available
Initial boiling point and boiling point range:	No data available
Vapour pressure:	No data available
Relative density:	No data available
Bulk density:	No data available
Water solubility:	Insoluble
Solubility / qualitative:	No data available
Viscosity, kinematic:	No data available
Relative vapour density:	No data available
Evaporation rate:	No data available
Explosive properties:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Chemical stability:	Stable under recommended handling and storage conditions in section 7.
---------------------	--

10.3 Possibility of hazardous reactions

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

Hazardous reactions:		In contact with solvents and strong oxidisers		
10.4 Conditions to avoid				
Conditions to avoid:		Heat and ignition sources		
10.5 Incompatible Materials:				
Materials to avoid:		Strong oxidisers, solvents and combustible materials		
10.6 Hazardous decomposition products				
Hazardous decomposition products:		Carbon oxides (CO, CO ₂)		
SECTION 11: Toxicology Information				
11.1 Information on toxicological effects				
Acute Oral Toxicity:				
Product	Test	Species	Quantity	Exposure time
Activated Carbon – High Density	-	-	-	-
Acute inhalation toxicity:		No data available		
Acute dermal toxicity:		No data available		
Acute toxicity (other routes of administration)		No data available		
Skin corrosion / irritation:		May cause skin irritation		
Serious eye damage / eye irritation:		May cause eye irritation		
Respiratory or skin sensitisation:		No data available		
Germ cell mutagenicity:		No data available		
Carcinogenicity:		No data available		
Reproductive toxicity:		No data available		
Specific target organ toxicity (single exposure):		No data available		
Specific target organ toxicity (repeated exposure):		No data available		
Aspiration toxicity:		No data available		

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

Additional information:	-
--------------------------------	---

SECTION 12: Ecological information

12.1 Toxicity

Species	Test	Value	Exposure Time
No data available	-	-	-

Further information:

-

12.2 Persistence and degradability

Biodegradability:

Not readily biodegradable

12.3 Bio accumulative potential

Bioaccumulation:

No data available

12.4 Mobility in soil:

Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

Other adverse effects:

-

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Product / packaging disposal:	<p>Empty container completely. Keep label(s) on container. Dispose of to a certified disposal contractor.</p> <p>Dispose of waste to licensed waste disposal site in accordance with local regulations and the requirements of the local Waste Disposal Authority.</p>
Waste treatment – relevant information:	No data available
Sewage disposal – relevant information:	No data available
Other disposal recommendations:	-

MATERIAL SAFETY DATA SHEET

Product name:	Liquid Activated Carbon	Version:	1
Issue date:	07/08/2024	Reason for change:	Full review, new format

SECTION 14: Transport information

UN number:	1362
UN proper shipping name:	LIQUID CARBON, ACTIVATED
Transport hazard class(es)	4.2
Packaging group:	III
Environmental hazards:	-
Special precautions for user:	-
Transport in bulk according to Annex II of MARPOL and the IBC code:	-

SECTION 15: Regulatory information

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

Authorities and/or restrictions on use:	No data available
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)
National Regulations (EU):	No data available
Water contamination class (Germany):	No data available

15.2 Chemical Safety Assessment

Chemical safety assessment:	No data available
-----------------------------	-------------------

SECTION 16: Other Information

Full text of H-phrases referred to under sections 2 and 3:	No hazards identified
--	-----------------------

This information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of Gert Strand AB's knowledge and belief, accurate and reliable as of the date indicated.

However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for his own particular use.