



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 220/878

ACTIVATED CARBON

Date of SDS : 26.02.2024
Revision no. : 0

Date of revision : -
SDS Number : GBF - 4803

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1- Substance/Mixture Identifier:

Product Name ACTIVATED CARBON
CAS No 7440-44-0

1.2- Relevant identified uses of the substance advised against:

Identified uses Water treatment, filtration
Used advised against Inhalation, Eye contact

1.3- Details of the supplier of the safety data sheet:

Company Anatolia Aktif Kömür Gıda Sanayi ve Ticaret Limited Şirketi
Address Gölevi Mah. Çöremev Sok. Anatolia Sitesi, B Blok, Daire 38, Ünye/Ordu/Türkiye
Tel/Fax +90 534 721 83 43
E-mail emilaliyev128@yahoo.com

1.4- Emergency telephone number:

+90 534 721 83 43

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture:

Classification:

Serious Eye Damage / Eye Irritation, Category 2, H319
Specific Target Organ Toxicity, Single Exposure, Category 1, H335
Notes: For the full text of the H sentences mentioned in this Section, see Section 16.

2.2- Label elements (according to EC 1272/2008):

GHS Pictograms



GHS07

Signal word Warning

Contains Activated carbon (nutshell or apricot kernel shell)

Hazard statements

H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

Prevention

P261 Avoid breathing dust
P264 Wash contact zones thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.



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Response

- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

Disposal

- P501 Dispose of contents/container to a hazardous or special waste collection point in accordance with local, regional, national and / or international regulations

2.3- Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

3- COMPOSITION/INFORMATION ON INGREDIENTS

3.1- Substance

Components:

Chemical Name	CAS No.	EC No.	%	Classification
Activated carbon (hazelnut shell)	7440-44-0	931-334-3	100,0	Eye Irrit. 2 - H319 STOT SE 3 - H335

Notes: The full text for all H-statements is displayed in section 16.

3.2- Mixture

Not applicable

4- FIRST AID MEASURES

4.1- Description of first aid measures

- Inhalation Immediately remove person to fresh air and keep at rest in a position comfortable for breathing. Do not breathe vapor or spray. If the complaint persists, contact a doctor immediately.
- Skin contact Remove contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists. If skin irritation occurs: Get medical attention.
- Eye contact Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with plenty of water for at least 15 minutes. If eye irritation persists: Get medical attention.
- Ingestion If swallowed, rinse the patient's mouth with clean water and then drink plenty of water or milk. Do not induce vomiting. Never give anything by mouth if unconscious. Consult physician.

4.2- Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation May cause respiratory irritation.
- Symptoms/injuries after skin contact May cause skin irritation
- Symptoms/injuries after eye contact Causes serious eye damage
- Symptoms/injuries after ingestion May be harmful if swallowed

4.3- Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.



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5- FIRE FIGHTING MEASURES

5.1- Extinguishing Media

The product is not flammable. Will burn if involved in a fire.

Suitable extinguishing media

Foam, dry chemicals, carbon dioxide and water fog must be used. The fire should be reported in large fires. Care should always be taken to create an escape route in the fire.

Unsuitable extinguishing media

No restrictions known.

5.2- Special hazards arising from the substance or mixture

May emit toxic gases as carbon monoxide, carbon dioxide, etc..

5.3- Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Avoid inhalation of dust and contact with skin and eyes. Wear appropriate protective equipment and clothing during clean-up. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders:

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2- Environmental precautions

No special environmental precautions required.

6.3- Methods and materials for containment and cleaning up

Avoid dust formation. Ventilate spill location. Collect the spills and dispose of them in a suitable disposal container without generating dust. Sweep the material with an absorbent or sweep up to a suitable disposal container. Use suitable respiratory equipment and appropriate personal protective equipment.

6.4- References to other sections

For information on safe handling see section 7, for information on personal protection equipment see section 8, for disposal-related information see section 13.

7- HANDLING AND STORAGE

7.1- Precautions for safe handling

Provide good ventilation in the workplace. Work with industrial hygiene standards and common rules to prevent inhalation, ingestion, exposure to the skin during use of chemicals. Do not eat, drink or smoke when using this product. Do not get in contact with food, drinks or animal feed.

Avoid inhalation of dust and contact with skin and eyes. Use only with adequate ventilation. Use Personal Protective Equipment recommended in section 8 of the SDS. Wash thoroughly after handling. Observe good industrial hygiene practices.

7.2- Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Do not handle or store near an open



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flame, heat or other sources of ignition. Protect against physical damage. Store in cool place.

7.3- Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1- Control parameters

Contains no substances with occupational exposure limit values.

8.2- Exposure controls

General protection and hygiene measures:

Keep away from foodstuffs, beverages and animal feed. Remove contaminated clothing immediately. Wash your hands at the end of the work and after breaks. Do not eat or drink any foodstuff while using this product.

Ensure that there is an eye and/or body shower near the work area.

Individual protective measures, such as personal protective equipment:

Respiratory protection:

In case of insufficient ventilation, respiratory protection in accordance with proper EN standards should be used.

Protection of hands:

Use protective gloves.

It is sufficient to consider puncture resistance, permeability rates and deterioration in selection of gloves. Selected protective gloves must comply with EN 374 standards.

Glove material:

Gloves made of butyl rubber and/or PVA.

Eye protection:

Use safety goggles or face masks that have been tested and approved in accordance with standards such as EN 166 (EU). Contact lenses should not be worn. Use face shields where there is a high risk of splashing and where there is a risk of direct contact with vapors.

Body Protection:

Choose appropriate body protection according to the type, concentration and amount of dangerous substance, and workplace conditions. Use waterproof clothing or a chemical suit in accordance with EN 14605.

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental Exposure Controls

The provisions of existing legislation for the protection of the environment must be fully implemented.



9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Black
Odour	: Odorless.



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Odour threshold	: No data available
pH Value, @ 20°C	: No data available
Melting point	: No data available
Boiling point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: No data available
Flash point (°C)	: Not applicable
Upper/lower flammability or explosive limits	: No data available
Vapor pressure	: No data available
Vapour density	: No data available
Density, gr/cm ³ @ 20 °C	: 1,8-2,1
Relative density	: No data available
Solubility in water	: Not soluble.
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, mPa's @ 20°C	: No data available

9.2- Other information:

9.2.1- Information with regard to physical hazard classes:

Bulk density : 450 kg/m³

9.2.2- Other safety characteristics:

Explosive properties : No explosive properties.

Oxidising property : No oxidizing property.

10- STABILITY AND REACTIVITY

10.1- Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2- Chemical stability

Stable under recommended handling and storage conditions.

10.3- Possibility of hazardous reactions

No harmful reactions are to be expected when the product is handled and stored properly.

10.4- Conditions to avoid

Avoid dust formation.

10.5- Incompatible materials

None known.

10.6- Hazardous decomposition products

No hazardous decomposition products are known.



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11- TOXICOLOGICAL INFORMATION

11.1- Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Activated Carbon

LD50 oral (rat)	> 2000 mg/kg bw
LD50 inhalation (rat)	> 8,5 mg/L 1h

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Dust may irritate the eyes. Dust in the eyes: Exposed individuals may experience eye tearing, redness, and discomfort.

Respiratory or Skin Sensitization

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (Single Exposure)

May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure)

Based on available data, the classification criteria are not met.

Aspiration Hazard

Based on available data, the classification criteria are not met.

11.2- Information on other hazards

11.2.1- Endocrine disrupting properties

No test data is available for the mixture.

11.2.2- Other information

No test data is available for the mixture.

12- ECOLOGICAL INFORMATION

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1- Toxicity

No data available.

12.2- Persistence and degradability

No data available.

12.3- Bioaccumulative potential

No data available.



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12.4- Mobility in soil

The product is insoluble in water and will sediment in water systems.

12.5- Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6- Endocrine disrupting properties

No data available.

12.7- Other adverse effects

No data available.

13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14- TRANSPORT INFORMATION

Product is not classified as dangerous in the meaning of transport regulations (ADR/RID, ADN, IMDG and ICAO/IATA).

14.1-	UN number	Not regulated as dangerous goods.
14.2-	UN proper shipping name	Not regulated as dangerous goods.
14.3-	Transport hazard class(es)	Not regulated as dangerous goods.
14.4-	Packing Group	Not regulated as dangerous goods.
14.5-	Environmental hazard	Not regulated as dangerous goods.
14.6-	Special precautions for user	None
14.7-	Maritime transport in bulk according to IMO instruments	No information available

15- REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC.
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

15.2- Chemical safety assessment

A chemical safety assessment has not been performed for this product.



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16- OTHER INFORMATION

Full text of any H-statements not written out in full under Sections 2 to 15

- H319 Causes serious eye irritation.
H335 May cause respiratory irritation

List of abbreviations

- ADR European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
CAS No Chemical Abstract Service Index Number
CLP Regulation of Classification, Labelling and Packaging of Chemicals
EC No European Commission Number
IATA International Air Transport Association
IMDG International Maritime Code for Dangerous Goods
LD50 Dosage producing 50% mortality
NIOSH National Institute for Occupational Safety and Health
PBT Persistent, Bioaccumulative, Toxic
RID International Rule for Transport of Dangerous Substances by Railway
vPvB Very Persistent, Very Bioaccumulative

Other Information:

- Date Prepared Feb. 26th, 2024
Revision No 0
Revision Date -
Organized by Gultekin Baskoylu (Chemist)

Training information

In addition to health, safety and environmental training programs for their workers, companies must ensure that workers read, understand and apply the requirements of this SDS to ensure human health and environmental protection.

Sources of information:

- ECHA and related EU directives,
- UN ADR, IMDG, IATA lists,
- Safety data sheets for raw materials and product components,
- Other helpful resources.

Classification Calculation Methods

- Chemical and physical hazards: Product classification is inferred from the criteria determined according to the REACH Directive (1907/2006), Annex I, Part 2. Data for the evaluation of chemical-physical properties are given in Chapter 9.
- Health hazards: Product classification is based on the calculation methods set out in Annex 1, Section 3 of the REACH Directive (1907/2006), unless otherwise stated in Chapter 11.
- Environmental hazards: Product classification is based on the calculation methods set out in Annex 1, Section 4 of the REACH Directive (1907/2006), unless otherwise stated in Chapter 12.

Disclaimer

All information herein is believed to be correct based upon data obtained by the manufacturer and recognized sources but does not mean to be all inclusive and shall be used as a guide only.

It is the purchaser's/user's responsibility to follow the instructions on Safety, Health and Environmental and operational rules and regulations.

This document has been prepared by Anatolia Aktif Kömür Gıda Sanayi ve Ticaret Limited Şirketi and subject to annual update in accordance with the recent available information.