

MATERIAL SAFETY DATA SHEET

Prepared in accordance with the Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (Date of 13 December 2014, Official Newspaper No. 29204).

Product name: COMPRESSED OAK CHARCOAL

Compilation date: 26.08.2020 - MSDS No: 01

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: COMPRESSED OAK CHARCOAL

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

Uses: Oak charcoal

1.3. Details of the supplier of the safety data sheet

Company name : AYTEPE İÇ VE DIŞ TİCARET SAN. LTD. ŞTİ.

Company address : 2000 Evler Dist. Yasin Boru St. No:1/8 Merkez-NEVSEHIR-TURKEY

Telephone : +90 (544) 876 10 00

1.4. Emergency telephone number: 114 (UZEM)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Physical Hazards: Not classified.

Health Hazards: Not classified.

Environmental Hazards: Not classified.

2.2. Label elements

Signal word: No data available.

Hazard pictograms: No data available.

Hazard statements

No data available.

Precautionary statements

No data available.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2 Mixtures

Chemical name	Cas No.	EC No.	(Regulation on Classification, Labeling and Packing of Materials and Mixtures) Classification	Concentration (% w/w)
Activated Carbon - High Density Skeleton	7440-44-0	231-153-3	Not classified	%45,81
Aqua	7732-18-5	231-791-2	Not classified	% 13
Hydrogen	1333-74-0	215-605-7	Not classified	% 2,01
Starch	9005-84-9	232-679-6	Acute tox. 4 H332 STOT SE 3 H335 Eye Irr. 2 H319	% 1
Sodium hydroxide	1310-73-2	215-185-5	Metal corr. 1 H290 Skin corr. 1 H314 Skin Irr. 2 H315 Eye Irr. 2 H319	% 0,33
Sulfur	7704-34-9	231-722-6	Skin Irr. 2 H315	% 0,07

4. FIRST AID MEASURES

4.1 Description of first aid measures

After inhalation: Provide fresh air. In case of irritation of the respiratory tract seek medical advice.

After contact with skin: Change contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion: If swallowed, immediately drink: water. Seek medical attention if problems persist.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

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4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Extinguishing materials should be selected according to the surrounding area.

Unsuitable extinguishing media: No known incompatibilities with extinguishing media.

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases: Substance is not classified as flammable but charcoal will burn at high temperatures. It may produce hazardous fumes like carbon monoxide or carbon dioxide. Explosive dust-air mixtures may form.

5.3 Advice for firefighters

Special protective equipment for fire-fighters: In case of fire: Wear self-contained breathing apparatus. Additional information Use water spray/stream to protect personnel and to cool endangered containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. In case of large quantities: Beat down dust with water spray.

6.2 Environmental precautions

No special environmental protection measures are necessary.

6.3 Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

6.4 Reference to other sections

No data available.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling Avoid generation of dust. Further information on handling In case of burning charcoal indoors equipment with built-in suction must be used.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels Keep container dry. Keep container tightly closed and in a well-ventilated place. Further information on storage conditions Remove all sources of ignition.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limit values

Additional advice on limit values The EU has not developed exposure limits for any of this product's components.

8.2 Exposure controls

8.2. 1. Engineering Measures

No data available.

8.2.2. Personal protective equipment

Protective and hygiene measures: Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

Respiratory protection: Exposure to dust should be minimised through engineering controls. If dust levels above visible limit of 2 mg/m³, dust mask and coveralls must be worn.

Skin protection: Not required.

Hand protection: Not required.

Eye protection: Not required.

8.2.3. Environmental exposure control

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid-Stick

Colour: Black

Odour: Odourless

Solubility in water: In contact with liquid, it dissolves and takes the form of powder.

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Humidity: % 3,81

VOC: % 26,02

Lower calorific value: 4763 kcal/kg

Upper calorific value: 4890 kcal/kg

10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is stable at appropriate storage and handling.

10.2 Chemical stability

The product is stable at appropriate storage and handling.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5 Incompatible materials

Oxidizing agents, strong.

10.6 Hazardous decomposition products

It may produce hazardous fumes like carbon monoxide or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

12. ECOLOGICAL INFORMATION

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

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Advice on disposalWaste disposal according to official state regulations.Contaminated packagingCompletely emptied packages can be re-cycled.

14. TRANSPORT INFORMATION

General : The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.1. UN Number: Not regulated.

14.2. UN proper shipping name: Not regulated.

14.3. Transport hazard class(es): Not regulated.

14.4. Packing group: Not regulated.

14.5. Environmental hazards

No data available.

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

15. REGULATORY INFORMATION

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

- Regulation on Classification, Labeling and Packaging of Substances and Mixtures
- Regulation on Safety Data Sheets for Hazardous Substances and Mixtures
- Regulation on Health and Safety Measures in Working with Chemical Substances.

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- Regulation on the Registration, Evaluation, Authorization and Restriction of Chemicals
- Regulation on the transport of dangerous goods by road
- Regulation on the Use of Personal Protective Equipment at Workplaces.
- Occupational Health and Safety Law
- Regulation on the Classification, Packaging and Labeling of Dangerous Goods

EU legislation

- The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)
- Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
- REACH Regulation (Regulation (EU) 2016/1688 concerning REACH)
- Safety Data Sheet according to Regulation EC 1907/2006 (REACH) with its amendment regulation EC 2015/830
- European Agreement concerning the International Carriage of Dangerous Goods by Road/ Regulations concerning the International Carriage of Dangerous Goods by Rail
- International Civil Aviation Organization / International Air Transport Association Dangerous Goods Regulation

15.2. Chemical safety assessment

No data available.

16. OTHER INFORMATION

Update: Prepared in accordance with the Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (Date of 13 December 2014, Official Newspaper No. 29204).

Abbreviations:

ACGIH American Conference of Government Industrial Hygienists
CAS Chemical Abstract Service
CERCLA Comprehensive Environmental Response, Compensation&Liability Act
CFR Code of Federal Regulations
CPR Controlled Products Regulations (Canada)
DOT Department of Transportation
IARC International Agency for Research
MSHA Mine Safety and Health Administration
NIOSH National Institute for Occupational Safety and Health
NTP National Toxicity Program
OSHA Occupational Safety and Health Administration
PEL Permissible Exposure Limit
RCRA Resource Conservation and Recovery Act
SARA Superfund Amendments and Reauthorization Act
TLV Threshold Limit Value

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TWA Time-weighted Average

WHMIS Workplace Hazardous Material Information System

Hazard statements

H290 May corrosive metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Information Sources:

This MSDS is arranged according to the information received from the company that owns the product.

Chemical Safety Assessment Specialist

Name-Surname: SAİME ÖZGE AYDIN

Chemical Safety Assessment Specialist Certificate No: TUV/11.01.03

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Use the identified substance or preparation for special purpose only. This safety data sheet has been prepared in accordance with the information received from the company AYTEPE İÇ VE DIŞ TİCARET SAN. LTD. ŞTİ. and is the most current information available as of the date of publication. Information provided; it is designed only to help secure transportation, use, storage, destruction. This document and the information given do not constitute a guarantee for any particular property of the substance or preparation and the quality specification is not considered. The information in this form pertains to the specific material (s) specified in this document and does not apply to materials used in conjunction with or in connection with any other materials or materials that have been altered or processed unless otherwise specified in the text.