



SAFETY DATA SHEET AKPINAR LIGNITE COAL

According to Regulation (EU) No 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name AKPINAR LIGNITE COAL

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

Identified uses Domestic and industrial uses
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier AKÇELİK MADENCİLİK TİC. Ve SAN. A.Ş.
Hamidiye Mh. İnciçiçeği Sk. No:1/1
Kağıthane/İST.
Tel: +90 212 321 48 00
www.akcelikmadencilik.com.tr

1.4. Emergency telephone number

Akçelik Madencilik A.Ş.: +90 212 321 48 00

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)	Physical and Chemical Hazards	Not classified.
	Human health	STOT RE 2 - H373; Acute Tox. 4 - H302
	Environment	Not classified.

The Full Text for hazard statements (H) are displayed in section 16

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

Hazard Statements

H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.



SAFETY DATA SHEET AKPINAR LIGNITE COAL

According to Regulation (EU) No 2015/830

Precautionary statements

P102	Keep out of reach of children.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260	Do not breathe dust.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.
May cause mechanical eye irritation in case of contact with substance's dust.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

The chemical analysis results for this product are as follows:

Name	CAS No.	EC No.	w/w%(g)
Carbon	7440-44-0	231-153-3	50-60
Hydrogen	1333-74-0	215-605-7	1-5
Sulfur	7704-34-9	231-722-6	0,5 - 1,0
Oxygen	7782-44-7	231-956-9	16-25
Nitrogen	7727-37-9	231-783-9	1,0

3.2. Mixtures

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air at once.
Get medical attention if any discomfort continues.

Ingestion

Get medical attention immediately! Rinse mouth thoroughly. DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Get medical attention if any discomfort continues.

Eye contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15-20 minutes and get medical attention if any discomfort continues.



SAFETY DATA SHEET **AKPINAR LIGNITE COAL**

According to Regulation (EU) No 2015/830

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

Inhalation

May cause slightly irritation to respiratory tract. Avoid to prolonged inhalation of concentrated vapours. Prolonged inhalation of dust increases the likelihood of pulmonary diseases.

Ingestion

May cause sore throat, nausea, vomiting, headache and unconsciousness in serious cases

Skin contact

May cause slightly and temporary irritation in case of prolonged contact.

Eye contact

Avoid to contact with eyes. May cause an irritation.

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

No specific treatment. Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Fire can be extinguished using:
Extinguish with foam, carbon dioxide, dry powder and water

Unsuitable extinguishing media

None.

5.2. Special hazards arising from the substance or mixture

Dust accumulation from this product may present an fire hazard in the presence of an ignition source. In case of fire, toxic gases may be formed. (CO_x), (NO_x)

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Dike and collect extinguishing water.

Protective equipment for fire-fighters

Face mask, protective gloves and safety helmet. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8. Avoid inhalation of dust. Avoid dust formation. Avoid contact with eyes and prolonged skin contact. Provide adequate ventilation. Keep away from ignition sources, do not smoke.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Avoid generation and spreading of dust. Clean spillage area. Do not contaminate water sources or sewers



SAFETY DATA SHEET **AKPINAR LIGNITE COAL**

According to Regulation (EU) No 2015/830

6.4. Reference to other sections

For personal protection, see section 8.
See section 11 for additional information on health hazards.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with eyes.
Eliminate all sources of ignition. Do not eat, drink or smoke when using the product.
Good personal hygiene is necessary.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated place.
Keep away from heat, sparks and open flame.
Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

General dust exposure limits: TWA (8 hours): 10 mg / m³.

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation if Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

In case of inadequate ventilation use suitable respirator.

Hand protection

Use appropriate protective gloves

Eye protection

Use appropriate safety goggles.

Skin protection

Wear protective clothing in case of contact.



SAFETY DATA SHEET AKPINAR LIGNITE COAL

According to Regulation (EU) No 2015/830

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Solid.
Color	Black.
Odor	Odorless.
Solubility	Not Soluble
Initial boiling point and boiling range	Not applicable
Relative density	No information available.
Vapour pressure	Not applicable
Viscosity	Not applicable
Decomposition temperature	No information available.
Flash point	Not applicable
Auto Ignition Temperature	850 – 950 °C
Specific gravity	1,3 - 1,4

9.2. Other information

Moisture Analysis	13,36
Ash Ratio	6,26
Volatile Substance	42,81
Sulphur	1,12
Calorie	5348

		Original Basis	Dry Basis
Total Moisture	%	***	***
Inherent Moisture	%	13,36	***
Ash	%	5,42	6,26
Volatile Matter	%	37,09	42,81
Gross Cal. Value	cal/gr	5587	6448
Net Cal. Value	cal/gr	5348	6290
Total Sulphur	%	0,97	1,12

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

No information available.



SAFETY DATA SHEET AKPINAR LIGNITE COAL

According to Regulation (EU) No 2015/830

10.4. Conditions to avoid

Keep away from ignition sources.

10.5. Incompatible materials

Materials To Avoid

Oxidising agents

10.6. Hazardous decomposition products

Fire may create: toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Additional information can be obtained from the supplier upon request.

Inhalation

Exposure to high vapor concentrations may produce headache, nausea, vomiting, and other symptoms. Vapors can be irritating to the respiratory tract. Direct contact can be irritating to the skin

Eye contact

Direct contact may be irritating to the eyes.

Carcinogenicity

	IARC	NTP	OSHA
Carcinogenicity References:	No	No	No

Specific target organ toxicity – single exposure

No information available.

Specific target organ toxicity – repeated exposure

No information available.

Aspiration hazard

No information available.

Ingestion

May cause sore throat, irritation, nausea, vomiting, headache and unconsciousness in serious cases

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

This product is not dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

No data available.

12.2. Persistence and degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

No information.

12.5. Results of PBT and vPvB assessment

No information available.



SAFETY DATA SHEET **AKPINAR LIGNITE COAL**

According to Regulation (EU) No 2015/830

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 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 applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. System of specific information relating to Dangerous Preparations. 2001/58/EC.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Information Sources

This SDS is prepared based on the information received from the product owner.

Revision Comments

The first issue.



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Hazard Statements

H302 Harmful if swallowed.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

Issued By

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Issued Note

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NBC BELGELENDİRME EĞİTİM LTD. ŞTİ.

SERTİFİKA

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T.C. Çevre ve Şehircilik Bakanlığı tarafından 13.12.2014 tarih ve 29204 sayılı Resmi Gazete'de yayınlanan "Zararlı Maddeler ve Karışımlara İlişkin Güvenlik Bilgi Formları Hakkında Yönetmelik" gereklerine göre oluşturulmuş ve 19.12.2014 tarih, 21408564/135.08/16130 sayılı yazı ile "T.C. Çevre ve Şehircilik Bakanlığı Çevre Yönetimi Genel Müdürlüğü" tarafından onaylanmış M01 no'lu belgelendirme programına uygun olarak

NBC Belgelendirme Eğitim Ltd. Şti.

tarafından yapılan değerlendirme ve 28/02/2015 tarihinde İSTANBUL 'da düzenlenen sınav sonucunda gerekli şartları sağlayarak

Güvenlik Bilgi Formu Hazırlayıcısı

belgesi almaya hak kazanmıştır.

Bu sertifikanın geçerliliği NBC personel belgelendirme kurallarına uyulması ve yapılacak olan gözetim sonuçlarının olumlu geçmesine bağlıdır. Sertifika geçerlilik kontrolü için "www.nbccert.com / Belgeli Personel Arama" ziyaret ediniz

Sertifika No : 01.40.13

Belge Tarihi : 06.03.2015

Geçerlilik Tarihi : 06.03.2018

Geçerlilik Periyodu : 3 YIL

Bülent ÜNLÜKALAYCI
Belgelendirme Müdürü