

BAS CHARCOAL  
CHARCOAL PRODUCTS SUPPLIER & EXPORTER  
**PT BERKAH ABADI SEMESTA**

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**BAS CHARCOAL**  
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**PT BERKAH ABADI SEMESTA** is a business born out of our concern for the charcoal farmers in our community. Seeing their hard work, we felt compelled to help market the quality charcoal they produce. From small steps around our home, we now proudly serve as a bridge between local farmers and customers who value quality.

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# WOOD CHARCOAL

Wood charcoal is a high-quality natural fuel produced through an incomplete combustion process, providing stable, long-lasting heat with minimal smoke, making it a superior choice for efficiency and environmental friendliness. Our wood charcoal is sourced from wood waste from nearby factories. As the demand for cleaner energy grows, wood charcoal is also an important part of the concept of future fuels: sustainable energy that supports emission reduction and environmental sustainability. With its natural characteristics and superior combustion performance, wood charcoal is not only a traditional product but also a modern solution for greener and more responsible energy.



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# WHAT IS CHARCOAL USED FOR?



HEATER



BBQ



FACTORY INDUSTRY

# HARD WOOD CHARCOAL MIX



**Hardwood Charcoal Mix** is a high-quality charcoal made from hardwoods (tamarind, rosewood, and acacia) with high durability, a long-burning, stable heat, and low ash content. It is suitable for both household and industrial use and excels in the export market due to its clean, smoke-free and odor-free combustion.

## CHARACTERISTICS OF MIXED HARDWOOD CHARCOAL PRODUCTS:

1. LUMP CHARCOAL (MEDIUM-SIZED CHARCOAL CHUNKS) THE RESULT OF CHARCOAL BEING CUT INTO IDEAL SIZES OF 5 CM AND 5 CM UP TO 5 CM BY REQUEST.
2. CRUSHED CHARCOAL SMALLER SIZES, OR SHARDS, ARE SUITABLE FOR INDUSTRIAL USE. (MIXED HARDWOOD CHARCOAL) A COMBINATION OF TAMARIND, ROSEWOOD, AND ACACIA WITH AN OPTIMAL PROCESSING PROCESS.

# CARBONIZED WOOD CHARCOAL

CARBON CHARCOAL IS CHARCOAL THAT IS THE RESULT OF A CARBONIZATION PROCESS WITH A HIGH COMBUSTION RATE, WHICH MAKES IT CLEANER AND PRODUCES MORE HEAT.

## PRODUCT SPECIFICATIONS

RAW MATERIAL	: MIXED WOOD (HARD & SOFT)
SHAPE	: UNIFORM, LIGHTWEIGHT
CARBON CONTENT	: 75–85%
MOISTURE CONTENT	: 5%
ASH CONTENT	: 3–6%
BURNING TIME	: 3–4 HOURS
SMOKE	: VERY LOW
AROMA	: ODORLESS

## USES

- FOOD INDUSTRY
- LIGHT METAL PROCESSING
- FILTERS & ACTIVATED CARBON (RAW MATERIALS)
- LONG-TERM BURNING

## ADVANTAGES

- CLEANER THAN REGULAR CHARCOAL
- HIGH AND EVEN HEAT
- ODORLESS AND LOW SMOKE



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# BINCHOTAN WHITE CHARCOAL

## PRODUCT SPECIFICATIONS

RAW MATERIAL: PREMIUM GRADE  
HARDWOOD / OAK (COMMON: HARDWOOD)

PROCESS: LOW-TEMP CARBONIZATION  
FOLLOWED BY HIGH-TEMP FINISHING  
(1000°C)

CARBON CONTENT: 90–95%

ASH CONTENT: 1–3%

COLOR: GLOSSY BLACK (METALLIC SHINE)

BURN TIME: 4–6 HOURS (VERY STABLE)

SMOKE & ODOR: ALMOST NONE

BINCHOTAN IS A PREMIUM CHARCOAL MADE THROUGH A SLOW-BURNING PROCESS AND FINAL HEATING AT A TEMPERATURE OF 1000°C. THIS CHARCOAL IS VERY HARD, DENSE, AND HAS A VERY HIGH CARBON CONTENT.

## ADVANTAGES

- CONSISTENT HEAT & VERY LONG DURATION
- SMOKELESS, ODORLESS
- SUITABLE FOR PREMIUM BBQ (WAGYU, YAKITORI, YAKINIKU)
- NOT EASILY BREAKABLE

## USES

- ✓ JAPANESE RESTAURANT / YAKINIKU / YAKITORI
- ✓ PREMIUM FOOD PROCESSING
- ✓ WATER FILTRATION (NATURAL PURIFIER)
- ✓ HEALTH & AROMATHERAPY PRODUCTS

# CERTIFICATE OF ANALYSIS

## -SAFETY INFORMATION

- DOES NOT CONTAIN ADDITIONAL CHEMICALS
- NON-TOXIC
- SAFE FOR COOKING (FOOD-GRADE)
- SAFE FOR INDUSTRIAL USE
- CHARCOAL DUST MAY CAUSE MILD IRRITATION

## HARDWOOD CHARCOAL MIX

## CHEMICAL ANALYSIS

Parameter	Specification	Results	Method
Fixed Carbon	70-80%	_____ %	ASTM D1762
Moisture Content	5-8%	_____ %	Oven Dry
Ash Content	3-6%	_____ %	ASTM D1762
Volatile Matter	12-18%	_____ %	ASTM D1762
Sulfur	<0.05%	_____ %	ASTM D4239
pH	6.0 – 7.0	_____	pH meter

## PHYSICAL PROPERTIES

Parameter	Analysis Results	Method
Form	Lumps	Visual
Color	pitch black	Visual
Odor	No odor	Visual
Size	5-7 cm (custom)	Measurement
Density	0.35-0.65 g/cm <sup>3</sup>	Density Test
Charcoal hardness	Medium – high	Manual test

## INSPECTION INFORMATION

- PRE-SHIPMENT INSPECTION: SGS / INTERTEK / SUCOFINDO (OPTIONAL)
- QC RESULT: PASS / FAIL (MARKING)

## PERFORMANCE CHARACTERISTICS

Parameter	Score	Method
Burning Time	2-3 hours	Test Burn
Smoke	Low	Visual
Odor	No odor	Visual
Spark	Minimal to none at all	Test Burn
Calorific Value	6500-7000 kcal/kg	Bomb Calorimeter

# CERTIFICATE OF ANALYSIS

## CARBON CHARCOAL ARANG KAYU SEMI

### PHYSICAL & CHEMICAL PROPERTIES

#### SAFETY INFORMATION

- NATURAL PRODUCT WITHOUT ADDED CHEMICALS
- NON-TOXIC
- SAFE FOR FOOD-GRADE USE
- DOES NOT PRODUCE EXCESSIVE SMOKE OR ODOR

### CONTAMINANT & SAFETY TESTING

Parameter	Result	Limit
Heavy Metals (Pb, Cd, Hg, As)	<0.005%	Pass
Foreign Material	Tidak ada	Pass
Moisture Mold Test	Negatif	Pass
Residual Chemicals	Tidak ada (bebas aditif)	Pass

Parameter	Result	Test Method / Notes
<b>Appearance</b>	Dark black, granular/rod	Visual
<b>Moisture Content</b>	3–6%	Oven Dry Method
<b>Ash Content</b>	5–12%	ASTM D2866
<b>Volatile Matter</b>	10–18%	ASTM D5832
<b>Fixed Carbon</b>	70–80%	By Calculation
<b>Carbon Density</b>	0.35–0.55 g/cm <sup>3</sup>	Tapped Density
<b>Calorific Value</b>	6,500 – 7,000 kcal/kg	Bomb Calorimeter
<b>Sulfur Content</b>	<0.05%	ASTM D4239
<b>Size Specification</b>	20–80 mm	Sieve Measurement
<b>Hardness</b>	≥ 95%	Drop Test
<b>Odor</b>	Tidak berbau kimia	Sensorial
<b>Ignition Time</b>	10–17 menit	Field Test
<b>Burning Duration</b>	2–5 jam (tergantung)	Field Test

#### INSPECTION INFORMATION

- PRE-SHIPMENT INSPECTION: SGS / SURVEYOR INDONESIA / INTERTEK (IF ASKED)
- SAMPLING METHOD: RANDOM SAMPLING 2% PER BATCH
- QC STATUS: PASS / FAIL (MARKING)

### PACKAGING INFORMATION

Parameter	Specification
Packaging	Laminated Sacks / PP Bag / Bulk
Weight per Bag	20 kg / 25 kg / 50 kg
Container Load	13 MT–20 MT per 20 ft (depending on packing) By Req

# CERTIFICATE OF ANALYSIS

## BINCHOTAN CHARCOAL ROSEWOOD

### PHYSICAL PROPERTIES

### PERFORMANCE ANALYSIS

#### SAFETY INFORMATION

- NATURAL PRODUCT WITHOUT ADDED CHEMICALS
- NON-TOXIC
- SAFE FOR FOOD-GRADE USE
- DOES NOT PRODUCE EXCESSIVE SMOKE OR ODOR

### CHEMICAL ANALYSIS

Parameter	Specification	Results	Method
Fixed Carbon	≥ 85–90%	_____ %	ASTM D1762
Moisture Content	≤ 2–5%	_____ %	Oven Dry
Ash Content	2–4%	_____ %	ASTM D1762
Volatile Matter	1–3%	_____ %	ASTM D1762
Sulfur	< 0.05%	_____ %	ASTM D4239
pH	6.8–7.2 (neutral)	_____	pH meter

Parameter	Analysis Results	Method
Form	Hard solid stem	Visual
Color	Dark black / silvery white (whitening)	Visual
Smell	Dark black / silvery white (whitening)	Visual
long	Dark black / silvery white (whitening)	Measurement
Diameter	Dark black / silvery white (whitening)	Measurement
Structure	Dark black / silvery white (whitening)	Visual

#### INSPECTION INFORMATION

- PRE-SHIPMENT INSPECTION: SGS / SURVEYOR INDONESIA / INTERTEK (IF ASKED)
- SAMPLING METHOD: RANDOM SAMPLING 2% PER BATCH
- QC STATUS: PASS / FAIL (MARKING)

Parameter	Nilai	Metode
Burning Time	4–6 hours (no chemical residue)	Test Burn
Smoke Production	Very low	Visual
Odor	Odorless	Visual
Spark	No spark	Test Burn
Calorific Value	7000–7500 kcal/kg	Bomb Calorimeter

# CERTIFICATE OF ANALYSIS

## BINCHOTAN CHARCOAL ACACIA

### SAFETY INFORMATION

- NATURAL PRODUCT WITHOUT ADDED CHEMICALS
- NON-TOXIC
- SAFE FOR FOOD-GRADE USE
- DOES NOT PRODUCE EXCESSIVE SMOKE OR ODOR

### CHEMICAL ANALYSIS

Parameter	Specification	results	Method
Fixed Carbon	≥ 80-88%	_____ %	ASTM D1762
Moisture Content	≤ 2-5%	_____ %	Oven Dry
Ash Content	2-4%	_____ %	ASTM D1762
Volatile Matter	2-4%	_____ %	ASTM D1762
Sulfur	< 0.05%	_____ %	ASTM D4239
pH	6.8-7.3 (neutral)	_____	pH meter

### PHYSICAL PROPERTIES

Parameter	Analysis Results	Method
Form	Hard solid stem	Visual
Color	Dark black / silvery white (whitening)	Visual
Smell	Odorless	Visual
long	10-25 cm (by requested)	Measurement
Diameter	2-4 cm (by requested)	Measurement
Structure	Acacia wood fiber is dense and smooth	Visual

### INSPECTION INFORMATION

- PRE-SHIPMENT INSPECTION: SGS / SURVEYOR INDONESIA / INTERTEK (IF ASKED)
- SAMPLING METHOD: RANDOM SAMPLING 2% PER BATCH
- QC STATUS: PASS / FAIL (MARKING)

### PERFORMANCE ANALYSIS

Parameter	Score	Method
Burning Time	3.5-5 hours	Test Burn
Smoke Production	Very low	Visual
Odor	No odor	Visual
Spark	No spark	Test Burn
Calorific Value	6800-7200 kcal/kg	Bomb Calorimeter

# MSDS MATERIAL SAFETY DATA SHEET

PRODUCT: HARDWOOD CHARCOAL MIX

RAW MATERIALS: (TAMARIND, SONO, ACACIA, OR OTHER HARDWOOD)

GRADE: BY REQUEST (WE HAVE ANY OPTION)

STANDARD: GHS (GLOBALLY HARMONIZED SYSTEM)

ADDITIVE: NONE (100% NATURAL, CHEMICAL FREE)

HAZARD IDENTIFICATION (GHS CLASSIFICATION)

GHS CLASSIFICATION

- FLAMMABLE SOLID — CATEGORY 2
- SELF-HEATING SUBSTANCE — CATEGORY 2
- COMBUSTIBLE DUST
- EYE IRRITATION — CATEGORY 2B
- SKIN IRRITATION — CATEGORY 3

GHS LABEL ELEMENTS

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

- H228: FLAMMABLE SOLID
- H251: SELF-HEATING; MAY CATCH FIRE
- H232: MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR
- H316: CAUSES MILD SKIN IRRITATION
- H320: CAUSES MILD EYE IRRITATION

PRECAUTIONARY STATEMENTS:

- P210: KEEP AWAY FROM SPARKS AND OPEN FLAMES
- P240: GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT
- P261: AVOID BREATHING DUST
- P280: WEAR EYE/SKIN PROTECTION
- P370+P378: USE DRY CHEMICAL, SAND, OR CO<sub>2</sub> FOR FIRE

# HARDWOOD CHARCOAL MIX (ARANG KAYU CAMPUR)

## COMPOSITION INFORMATION ON INGREDIENTS

Component	CAS No.	Percentage
Carbon (C)	7440-44-0	70–85%
Volatile Matter	—	10–20%
Ash	—	4–12%

### RAW MATERIAL:

ASEM WOOD (TAMARINDUS INDICA)

SONO WOOD (DALBERGIA LATIFOLIA)

ACACIA WOOD (ACACIA SP.)

ADDITIVES: NONE (100% CHEMICAL-FREE)

### HANDLING & STORAGE

#### HANDLING

AVOID FRICTION OR SPARKS.

HANDLE GENTLY TO MINIMIZE DUST.

#### STORAGE

STORE IN A COOL, DRY, WELL-VENTILATED AREA.

KEEP AWAY FROM OXIDIZERS AND HEAT.

- KEEP BAGS SEALED.



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### PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HARDWOOD CHARCOAL MIX

SYNONYMS: NATURAL LUMP CHARCOAL, WOOD CHARCOAL,  
HARDWOOD CARBON

RECOMMENDED USE: BBQ FUEL, INDUSTRIAL FUEL, FILTER MEDIA,  
HEATING

SUPPLIER: PT. BERKAH ABADI SEMESTA

ADDRESS: TEGALREJO, BAWURAN, PLERET, BANTUL

TELEPHONE: 08970050933

### FIRST AID MEASURES

#### INHALATION

- MOVE TO FRESH AIR.
- IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

#### SKIN CONTACT

- WASH WITH SOAP AND WATER.
- SAFE FOR NORMAL HANDLING.

#### EYE CONTACT

- RINSE WITH CLEAN WATER FOR 10–15 MINUTES.

#### INGESTION

- NOT INTENDED FOR CONSUMPTION.
- RINSE MOUTH, DRINK WATER.

### ENGINEERING CONTROLS

- PROVIDE VENTILATION DURING HANDLING.

### PERSONAL PROTECTIVE EQUIPMENT

- GLOVES (OPTIONAL, RECOMMENDED)
- DUST MASK (N95 RECOMMENDED)
- SAFETY GLASSES IF DUSTY

# MSDS MATERIAL SAFETY DATA SHEET

PRODUK : HARDWOOD CHARCOAL MIX

BAHAN BAKU : (ASEM, SONO, AKASIA, OR OTHER HARDWOOD)

GRADE : BY REQUEST (WE HAVE ANY CHOICE)

STANDAR : GHS (GLOBALLY HARMONIZED SYSTEM)

ADDITIVE : NONE (100% NATURAL, CHEMICAL FREE)

## TRANSPORT INFORMATION

Item	Description
UN Number	<b>UN 1361</b>
Proper Shipping Name	Carbon / Wood Charcoal
Hazard Class	4.2 – Self-Heating
Packing Group	III
Transport	Sea / Air / Land

### REGULATORY INFORMATION

- COMPLIES WITH GHS STANDARDS
- NOT CLASSIFIED AS HAZARDOUS EXCEPT FOR FLAMMABILITY
- MEETS EXPORT REQUIREMENTS (EU, MIDDLE EAST, ASIA, AFRICA)

### OTHER INFORMATION

- MSDS VALID 3 YEARS FROM ISSUE DATE
- PREPARED SPECIFICALLY FOR HARDWOOD MIX
- (ASEM, SONO, AKASIA)
- CUSTOM MSDS PER BATCH AVAILABLE UPON REQUEST

# HARDWOOD CHARCOAL MIX (ARANG KAYU CAMPUR)

## PHYSICAL & CHEMICAL PROPERTIES

Property	Value
Appearance	Solid black charcoal
Odor	Neutral / smoky
Moisture	3–6%
Ash Content	4–12%
Fixed Carbon	70–85%
Volatile Matter	10–20%
Density	0.35–0.55 g/cm <sup>3</sup>
Solubility	Insoluble
Auto-ignition	300–500°C
Flash Point	> 350°C

### PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HARDWOOD CHARCOAL MIX

SYNONYMS: NATURAL LUMP CHARCOAL, WOOD CHARCOAL, HARDWOOD CARBON

RECOMMENDED USE: BBQ FUEL, INDUSTRIAL FUEL, FILTER MEDIA, HEATING

SUPPLIER: PT. BERKAH ABADI SEMESTA

ADDRESS: TEGALREJO, BAWURAN, PLERET, BANTUL

TELEPHONE: 08970050933

### STABILITY & REACTIVITY

- STABLE UNDER NORMAL CONDITIONS.
- AVOID SPARKS AND STATIC DISCHARGE.
- REACTS WITH STRONG OXIDIZERS (E.G. NITRATES).

### TOXICOLOGICAL INFORMATION

- NON-TOXIC.
- DUST MAY IRRITATE EYES AND LUNGS.
- NO CARCINOGENIC COMPONENTS.

### ECOLOGICAL INFORMATION

- NATURAL PRODUCT, BIODEGRADABLE.
- NON-TOXIC TO ENVIRONMENT.
- AVOID RELEASING DUST IN WATER SYSTEMS.

### DISPOSAL CONSIDERATION

- DISPOSE AS NON-HAZARDOUS SOLID WASTE.
- ENSURE CHARCOAL IS FULLY EXTINGUISHED BEFORE DISPOSAL.



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# MSDS MATERIAL SAFETY DATA SHEET

PRODUK : CARBON CHARCOAL  
BAHAN BAKU : (ASEM, SONO, AKASIA, OR OTHER HARDWOOD SPECIES)  
GRADE : BY REQUEST (WE HAVE ANY CHOICE)  
STANDAR : GHS (GLOBALLY HARMONIZED SYSTEM)  
ADDITIVE : NONE (100% NATURAL, CHEMICAL FREE)

## GHС CLASSIFICATION

- FLAMMABLE SOLID – CATEGORY 2
- COMBUSTIBLE DUST – MAY FORM EXPLOSIVE DUST-AIR MIXTURE
- EYE IRRITATION – CATEGORY 2B (MILD)
- SKIN IRRITATION – CATEGORY 3 (MILD)

## GHС LABEL ELEMENTS

SIGNAL WORD: WARNING

## HAZARD STATEMENTS:

- H228: FLAMMABLE SOLID.
- H232: MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.
- H316: CAUSES MILD SKIN IRRITATION.
- H320: CAUSES MILD EYE IRRITATION.

## PRECAUTIONARY STATEMENTS:

- P210: KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES.
- P243: TAKE ACTION TO PREVENT STATIC DISCHARGE.
- P261: AVOID INHALATION OF DUST.
- P305 + P351: IF IN EYES, RINSE WITH WATER FOR SEVERAL MINUTES.

## ACCIDENTAL RELEASE MEASURES

- AVOID CREATING DUST CLOUDS.
- SWEEP GENTLY; DO NOT USE COMPRESSED AIR.
- STORE AWAY FROM IGNITION SOURCES.
- USE PROTECTIVE MASK IF DUST IS HIGH.

# CARBON CHARCOAL ARANG KARBON (ARANG SEMI)



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## COMPOSITION INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Carbon (C)	7440-44-0	70–85%
Volatile Matter	—	10–20%
Ash Residue	—	5–12%

PREPARED FOR EXPORT MARKETS:  
EU, MIDDLE EAST, ASIA, AUSTRALIA, AFRICA  
MSDS VALID FOR 3 YEARS FROM DATE OF ISSUE.

## IDENTIFIKASI PRODUK DAN PERUSAHAAN

PRODUCT NAME : CARBON CHARCOAL  
SYNONYMS : HARDWOOD CARBON, CHARCOAL

RECOMMENDED USE : BBQ FUEL, COOKING FUEL, FILTRATION, INDUSTRIAL CARBON SOURCE

SUPPLIER : PT. BERKAH ABADI SEMESTA

ADDRESS : TEGALREJO, BAWURAN, PLERET, BANTUL

TELEPHONE : 08970050933

## FIRST AID MEASURES

### INHALATION

- MOVE TO FRESH AIR.
- SEEK MEDICAL HELP IF RESPIRATORY IRRITATION PERSISTS.

### SKIN CONTACT

- WASH WITH SOAP AND WATER.
- HARMLESS UNLESS PROLONGED EXPOSURE.

### EYE CONTACT

- RINSE GENTLY WITH WATER 10–15 MINUTES.
- SEEK MEDICAL ATTENTION IF REDNESS PERSISTS.

### INGESTION

- NON-TOXIC BUT NOT INTENDED FOR CONSUMPTION.
- DRINK WATER TO CLEAR MOUTH.

### TRANSPORT INFORMATION

- UN NUMBER: UN 1361
- PROPER SHIPPING NAME: CARBON / WOOD CHARCOAL
- HAZARD CLASS: CLASS 4.2 (SELF-HEATING SUBSTANCE)
- PACKING GROUP: III

# MSDS MATERIAL SAFETY DATA SHEET

PRODUK : CARBON CHARCOAL

BAHAN BAKU : (ASEM, SONO, AKASIA, OR OTHER HARDWOOD)

GRADE : BY REQUEST (WE HAVE ANY CHOICE)

STANDAR : GHS (GLOBALLY HARMONIZED SYSTEM)

ADDITIVE : NONE (100% NATURAL, CHEMICAL FREE)

## FIRE FIGHTING MEASURES

### SUITABLE EXTINGUISHING MEDIA

- DRY CHEMICAL
- CO<sub>2</sub>
- SAND

DO NOT USE WATER DIRECTLY (MAY SPREAD BURNING CHARCOAL).

## SPECIAL HAZARDS

- PRODUCES CO AND CO<sub>2</sub> WHEN BURNING
- DUST MAY FORM EXPLOSIVE MIXTURE IN AIR

## PROTECTIVE EQUIPMENT

- WEAR PROTECTIVE MASK AND HEAT-RESISTANT GLOVES.

## HANDLING & STORAGE

### HANDLING

- AVOID SPARKS, FLAME, AND HEAT.
- USE VENTILATION IN STORAGE AREAS.
- DO NOT DROP BAGS TO AVOID DUST FORMATION.

### STORAGE

- STORE IN COOL, DRY, WELL-VENTILATED AREA.
- KEEP AWAY FROM FLAMMABLE MATERIALS.
- KEEP BAGS TIGHTLY SEALED.

## ECOLOGICAL INFORMATION

- BIODEGRADABLE (NATURAL CARBON).
- LOW ENVIRONMENTAL IMPACT.
- NOT TOXIC TO AQUATIC LIFE.

# CARBON CHARCOAL ARANG KARBON (ARANG SEMI)

## PHYSICAL & CHEMICAL PROPERTIES

Property	Value
Appearance	Black solid, lumps or granular
Odor	Neutral / Smoky
Moisture	3–6%
Ash	5–12%
Fixed Carbon	70–80%
Volatile Matter	10–18%
Density	0.35–0.55 g/cm <sup>3</sup>
Solubility	Insoluble in water
Melting Point	N/A (burns instead of melting)
Flash Point	> 350°C
Auto-Ignition	300–500°C



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## PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HARDWOOD CHARCOAL MIX

SYNOMYS: NATURAL LUMP CHARCOAL, WOOD CHARCOAL, HARDWOOD CARBON

RECOMMENDED USE: BBQ FUEL, INDUSTRIAL FUEL, FILTER MEDIA, HEATING

SUPPLIER: PT. BERKAH ABADI SEMESTA

ADDRESS: TEGALREJO, BAWURAN, PLERET, BANTUL

TELEPHONE: 08970050933

## EXPOSURE CONTROL / PERSONAL PROTECTION

### ENGINEERING CONTROLS

- LOCAL EXHAUST VENTILATION RECOMMENDED.

### PERSONAL PROTECTION

- EYE PROTECTION: SAFETY GLASSES (IF DUSTY).
- RESPIRATORY: DUST MASK / N95.
- HAND PROTECTION: GLOVES FOR HANDLING BAGS.

### STABILITY & REACTIVITY

- STABLE UNDER NORMAL CONDITIONS.
- AVOID MOISTURE AND SPARKS.
- REACTS WITH STRONG OXIDIZERS.

### TOXICOLOGICAL INFORMATION

- NON-TOXIC.
- DUST MAY CAUSE MILD EYE OR RESPIRATORY IRRITATION.
- NO KNOWN CARCINOGENIC EFFECTS.

### DISPOSAL CONSIDERATION

- DISPOSE AS NON-HAZARDOUS WASTE.
- ENSURE CHARCOAL IS FULLY EXTINGUISHED BEFORE DISPOSAL.

# MSDS MATERIAL SAFETY DATA SHEET

PRODUCT: BINCHOTAN CHARCOAL – SONO WOOD  
RAW MATERIAL: SONO WOOD (DALBERGIA LATIFOLIA)  
GRADE: PREMIUM / WHITE CHARCOAL  
STANDARD: GHS (GLOBALLY HARMONIZED SYSTEM)

## HAZARD IDENTIFICATION

GHС CLASSIFICATION:  
NOT CLASSIFIED AS A HAZARDOUS SUBSTANCE

MAIN RISKS: CHARCOAL DUST IS FLAMMABLE

## PICTOGRAM:

 (MILD HAZARD)  
 (FIRE HAZARD FROM DUST)

## HAZARD STATEMENTS (H-STATEMENT):

H228: FLAMMABLE SOLID (IN THE FORM OF FINE PARTICLES/DUST).

H335: MAY CAUSE RESPIRATORY IRRITATION IF INHALED AS DUST.

## PRECAUTIONARY STATEMENTS (P-STATEMENT):

P261: AVOID BREATHING DUST.

P280: USE MASK/RESPIRATOR WHEN HANDLING IN BULK.

P370+P378: USE SAND, CO<sub>2</sub>, OR DRY CHEMICAL POWDER TO  
EXTINGUISH FIRE.

# BINCHOTAN CHARCOAL DALBERGIA LATIFOLIA (KAYU SONO)



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## MATERIAL INFORMATION COMPOSITION

Component	Percentage
Fixed Carbon	85–90%
Moisture	<5%
Ash	3–5%
Volatile Matter	2–4%
Raw material	100% (Dalbergia latifolia)

## PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BINCHOTAN CHARCOAL – SONO WOOD  
CHEMICAL NAME: FIXED CARBON SOLID (WOOD CHARCOAL)  
USES: PREMIUM FUEL, WATER FILTER, DEODORIZER, INDUSTRIAL  
CHARCOAL

SUPPLIER: PT. BERKAH ABADI SEMESTA

ADDRESS: TEGALREJO, BAWURAN, PLERET, BANTUL

PHONE CONTACT: 08970050933

## FIRST AID MEASURES

IF INHALED:

MOVE TO FRESH AIR.

RINSE NOSE WITH CLEAN WATER.

IF IT GETS INTO THE EYES:

RINSE WITH RUNNING WATER FOR 15 MINUTES.

IF IT CONTACTS THE SKIN:

NOT HARMFUL; WASH WITH SOAP AND WATER.

IF SWALLOWED:

NOT TOXIC; DRINK WATER.

CONSULT A DOCTOR IF IRRITATION OCCURS.

## REGULATIONS

COMPLIES WITH GHS STANDARDS

FREE FROM ADDITIONAL CHEMICALS

- SAFE FOR INTERNATIONAL SHIPPING (EU, GCC, ASIA, AFRICA)

# MSDS MATERIAL SAFETY DATA SHEET

PRODUCT: BINCHOTAN CHARCOAL – SONO WOOD  
RAW MATERIAL: SONO WOOD (DALBERGIA LATIFOLIA)  
GRADE: PREMIUM / WHITE CHARCOAL  
STANDARD: GHS (GLOBALLY HARMONIZED SYSTEM)

## FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

MIST WATER

CO<sub>2</sub>

DRY CHEMICAL POWDER

SAND

## DO NOT USE:

HIGH-PRESSURE WATER JET (MAY SPREAD HOT DUST)

## HAZARDS:

FINE DUST IS HIGHLY FLAMMABLE.

HOT CHARCOAL STICKS CAN REIGNITE.

## STABILITY AND REACTIVITY:

STABLE UNDER NORMAL CONDITIONS.

DUST MAY REACT WITH STRONG OXIDIZERS.

## TOXICOLOGICAL INFORMATION:

DOES NOT CONTAIN TOXIC SUBSTANCES.

MAIN HAZARD: MILD IRRITATION FROM DUST.

## ECOLOGICAL INFORMATION:

NOT HARMFUL TO THE ENVIRONMENT.

- 100% NATURAL AND BIODEGRADABLE.

# BINCHOTAN CHARCOAL DALBERGIA LATIFOLIA (KAYU SONO)



BAS CHARCOAL  
BERKAH ABADI SEMESTA

## PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BINCHOTAN CHARCOAL – SONO WOOD  
CHEMICAL NAME: FIXED CARBON SOLID (WOOD CHARCOAL)  
USES: PREMIUM FUEL, WATER FILTER, DEODORIZER, INDUSTRIAL CHARCOAL

SUPPLIER: PT. BERKAH ABADI SEMESTA

ADDRESS: TEGALREJO, BAWURAN, PLERET, BANTUL

PHONE CONTACT: 08970050933

## HANDLING AND STORAGE

### HANDLING:

AVOID SOURCES OF HEAT OR SPARKS.

MINIMIZE DUST DURING LOADING AND UNLOADING.

### STORAGE:

STORE IN A DRY AND WELL-VENTILATED PLACE.

AVOID WATER EXPOSURE (CAN CAUSE CHARCOAL TO CRACK).

KEEP AWAY FROM OXIDIZING CHEMICALS.

## SPILL RESPONSE ACTIONS

AVOID SPREADING DUST.

COLLECT MANUALLY USING NON-SPARKING TOOLS.

- USE A MASK IF THE SPILL IS LARGE.

## TRANSPORTATION INFORMATION

UN NUMBER: NOT CLASSIFIED AS HAZARDOUS

DANGER CLASS: NON-DANGEROUS GOODS

- PACKING: WOVEN BAG / PP BAG / CARTON (BY REQ)

# MATERIAL INFORMATION COMPOSITION

Parameter	Specification
Form	Hard black solid stem
Smell	Odorless
Flash point	>400°C
Water content	<5%
Density	0.9 – 1.1 g/cm <sup>3</sup>
Reactivity	Low
Solubility	Insoluble in water

# MSDS MATERIAL SAFETY DATA SHEET

PRCHARCOAL: BINCHOTAN (WHITE CHARCOAL) – ACACIA WOOD

RAW MATERIAL: 100% ACACIA SPP. WOOD

GRADE: PREMIUM WHITE CHARCOAL (HIGH DENSITY)

STANDARD: GHS (GLOBALLY HARMONIZED SYSTEM)

## HAZARD IDENTIFICATION

### GHS CLASSIFICATION:

NOT CLASSIFIED AS A HAZARDOUS CHEMICAL

MAIN RISKS WITH CHARCOAL DUST (NOT CHARCOAL STICKS)

### PHYSICAL HAZARDS:

CHARCOAL DUST IS EASILY COMBUSTIBLE

HOT CHARCOAL CAN REIGNITE

### GHS PICTOGRAMS:

🔥 (FIRE HAZARD – MINOR)

⚠ (MILD IRRITATION HAZARD)

### H-STATEMENTS:

H228: FLAMMABLE SOLID (IN DUST FORM).

H335: MAY CAUSE RESPIRATORY IRRITATION IF INHALED.

### P-STATEMENTS:

P261: AVOID INHALING DUST.

P280: WEAR A MASK WHEN HANDLING IN BULK.

P370+P378: USE SAND, CO<sub>2</sub>, OR DRY CHEMICAL FOR EXTINGUISHING.

BAS CHARCOAL

CHARCOAL PRODUCTS SUPPLIER & EXPORTER

PT BERKAH ABADI SEMESTA

# BINCHOTAN CHARCOAL ACACIA WOOD (KAYU AKASIA)



BAS CHARCOAL  
BERKAH ABADI SEMESTA

## KOMPOSISI INFORMASI BAHAN

Component	Percentage
Fixed Carbon	80–88%
Moisture	2–5%
Ash	2–4%
Volatile Matter	2–4%
Raw material	100% Acacia Wood

### FIREFIGHTING ACTIONS

#### EXTINGUISHING MEDIA:

CO<sub>2</sub>

SAND

DRY CHEMICAL POWDER

WATER MIST (NOT STRONG SPRAY)

#### SPECIAL HAZARDS:

HOT CHARCOAL STICKS CAN REIGNITE.

CARBON MONOXIDE (CO) IS PRODUCED DURING INCOMPLETE COMBUSTION.

### PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BINCHOTAN CHARCOAL – ACACIA WOOD

SYNONYMS: WHITE CHARCOAL, PREMIUM ACACIA CHARCOAL

USES: PREMIUM FUEL, WATER FILTER, DEODORIZER, INDUSTRIAL CHARCOAL

SUPPLIER: PT. BERKAH ABADI SEMESTA

ADDRESS: TEGALREJO, BAWURAN, PLERET, BANTUL

PHONE CONTACT: 08970050933

#### FIRST AID MEASURES

##### INHALED:

MOVE TO AN AREA WITH FRESH AIR.

RINSE NOSE IF NECESSARY.

##### EYE CONTACT:

RINSE WITH WATER FOR 15 MINUTES.

##### SKIN CONTACT:

NOT HARMFUL. WASH WITH SOAP AND WATER.

##### INGESTED:

NON-TOXIC; DRINK WATER.

- SEEK MEDICAL HELP IF EXPERIENCING DIGESTIVE PROBLEMS..

### PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

RESPIRATOR MASK

HEAT-RESISTANT GLOVES

# MSDS MATERIAL SAFETY DATA SHEET

PRODUCT: BINCHOTAN (WHITE CHARCOAL) – ACACIA WOOD

RAW MATERIAL: 100% ACACIA WOOD (ACACIA SPP.)

GRADE: PREMIUM WHITE CHARCOAL (HIGH DENSITY)

STANDARD: GHS (GLOBALLY HARMONIZED SYSTEM)

## STABILITY & REACTIVITY

STABLE UNDER NORMAL CONDITIONS

DUST REACTS WITH STRONG OXIDIZERS

MAY PRODUCE CO IF BURNED INCOMPLETELY

## TOXICOLOGICAL INFORMATION

NON-TOXIC

CONTAINS NO ADDITIONAL CHEMICALS

DUST MAY CAUSE MILD IRRITATION TO EYES AND RESPIRATORY

TRACT

## ECOLOGICAL INFORMATION

NOT HARMFUL TO THE ENVIRONMENT

NATURAL & BIODEGRADABLE

DOES NOT POLLUTE SOIL OR WATER

## DISPOSAL CONSIDERATIONS

DISPOSE OF AS NON-HAZARDOUS WASTE

- ENSURE THE CHARCOAL IS NOT GLOWING BEFORE DISPOSAL

# BINCHOTAN CHARCOAL ACACIA WOOD (KAYU AKASIA)



BAS CHARCOAL  
BERKAH ABADI SEMESTA

## PHYSICAL & CHEMICAL PROPERTIES

Parameter	Specification
Form	Solid rod (high-density)
Color	Jet black/silver white
Smell	Odorless
Flash point	>400°C
Water content	2–5%
Kelarutan	Insoluble
Solubility	0.8 – 1.1 g/cm³
Stability	Stable, non-reactive

## PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BINCHOTAN CHARCOAL – ACACIA WOOD

SYNONYMS: WHITE CHARCOAL, PREMIUM ACACIA CHARCOAL

USES: PREMIUM FUEL, WATER FILTER, DEODORIZER, INDUSTRIAL CHARCOAL

SUPPLIER: PT. BERKAH ABADI SEMESTA

ADDRESS: TEGALREJO, BAWURAN, PLERET, BANTUL

PHONE CONTACT: 08970050933

## TRANSPORTATION INFORMATION

NON-DANGEROUS GOODS

NOT CLASSIFIED AS HAZARDOUS FOR SEA, LAND, OR AIR TRANSPORT

UN NUMBER: NONE SPECIFICALLY

## REGULATORY INFORMATION

COMPLIES WITH INTERNATIONAL GHS STANDARDS

CONTAINS NO HAZARDOUS SUBSTANCES

SAFE FOR EXPORT (EU, GCC, ASIA, AFRICA)

## ADDITIONAL INFORMATION

WHITE CHARCOAL PRODUCT MADE FROM ACACIA SPP.

STABLE, HIGH DENSITY, AND LONG BURNING TIME

SUITABLE FOR PREMIUM BBQS, RESTAURANTS, AND INDUSTRIAL USE

**SHIPPING BY REQUEST**

# CONTACT US

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