



MATERIAL SAFETY DATA SHEET (MSDS) COCONUT SHELL CHARCOAL BRIQUETTE

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Detail of Product

- Product Name : **COCONUT SHELL CHARCOAL BRIQUETTE**
Product Use : Barbeque BBQ/Grilling, Shisha briquette
Properties : Inflammable solid fuel for BBQ, heating and energy source a kind of briquettes. Made from coconut charcoal.

1.2 Detail of Company

- Company Name : **CV. AHSAN CHARCOAL INDONESIA**
Address : Gatot Subroto Blok – No. 19 RT. 003
RW. 004 Randusari, Gadingrejo, Kota Pasuruan Jawa Timur

1.3 Emergency Telephone Number

- Name : Mr. Rizal Suryanzah
Telephone / Fax : +62 81-1261-0555

SECTION 2: HAZARD(S) IDENTIFICATION

- 2.1 Classification of the substance or mixture** : Classification according to Regulation (EC) No. 1272/2008 (CLP) This substance meets the criteria for classification in accordance with Regulation No. 1272/2008/EC.
- 2.2 Label elements** : A negative result is obtained in test using 100 mm cube at 140°C of 24 hour test. Accordingly, said sample **shall not be classified as Class 4.2** of the IMDG code: substances liable to spontaneous combustion. Labelling according to Regulation (EC) No 1272 /2008 (CLP) : not required
- 2.3. Eye Contact** : Briquette particles may cause physical irritation if not removed
- 2.4. Skin Contact** : Constant prolonged exposure may cause dermatitis of exposure area
- 2.5. Skin Adsorption** : Not Adsorbed by skin
- 2.6 Ingestion** : No Adverse affect unless quantity ingested causes physical discomfort
- 2.7 Inhalation** : Harmful.
- 2.8 Other Effects** : Not Available



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Component	CAS Number	Percentage
Coconut Shell Charcoal	68647-86-9	90–95%
Binder (Tapioca starch)	9057-07-2	5–10%

*Note: No hazardous ingredients above threshold limits.

% by Weight : 100%

3.2 Mixtures

- Material : 100% Natural

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

- First -aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if symptoms persist.
- First-aid measures after skin contact : Wash affected area with soap and water. Remove contaminated clothing and wash before reuse.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical advice if irritation occurs..
- First-aid measures after ingestion : Rinse mouth with water. Do not induce vomiting. Seek medical attention if large quantity is ingested

4.2 Immediate medical attention and special treatment, if necessary

None

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : Co-ordinate fire-fighting measures to the fire surroundings water spray, foam, dry extinguishing powder, carbon dioxide (CO2)
- Unsuitable extinguishing media : Water jet



- 5.2 Special hazards arising from the substance or mixture** : Danger of dust explosion
- Hazardous combustion product : In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO₂).
- 5.3 Advice for firefighters** : Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid creating dust. Wear suitable protective equipment.

6.2 Environmental precautions

See section 12 for ecological information.

6.3 Methods and material for containment and cleaning up

- For containment : Use appropriate tools to out the spilled solid in a convenient waste disposal container
- Methods for cleaning up : Remove heat and ignition sources. Vacuum sweep, if possible, to avoid generating airborne dust. Wash residual to on-site treatment area, where appropriate. If treatment area is not available, wash down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

6.4. Reference to other sections

- Hazardous combustion products : See section 5
- Personal protective equipment : See section 8
- Incompatible materials : See section 10
- Disposal considerations : See section 13



SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing.

7.2 Conditions for Safe Storage, including any Incompatibilities

Storage : The Coconut Shell Charcoal Briquette should be stored well-ventilated areas and air should be able to circulate between the stored materials. The product should be stored in a dry area away from open flames, heat sources, and other ignition sources.

Incompatible product : Strong oxidizer

7.3 Specific end use(s) : No information available

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameter

National limit values : Occupational exposure limit values (Workplace Exposure Limits) No established exposure limits for components.

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection : Use safety goggle with side protection.

Hand Protection : Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

Type of Material : NBR (Nitrile rubber).

Material Thickness : >0.11 mm.

Breakthrough times of the glove material : >480 minutes (permeation: level 6).

Other protection measures : Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ ointments) is recommended.

Respiratory protection : Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P1 (filters at least 80 % of airborne particles, color code: White).



SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Charcoal
Colour	:	Black
Odour	:	Odorless
pH	:	7-8
Melting point	:	398°C
Boiling point	:	Not Available
Flash point	:	>200°C
Evaporation rate	:	No data available
Flammability	:	Flammable
Vapour pressure	:	< 0.1 mm Hg
Relative vapour density 20°C	:	No data available
Relative density	:	No data available
Solubility	:	Insoluble in water, soluble in alcohols and organic solvents
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	180°C
Decomposition temperature	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

9.2. Other information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity : Non-reactive. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.
- 10.2. Chemical stability : Stable under normal conditions. The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Danger of explosion: Oxidizers, Peroxides.



- 10.3. Possibility of hazardous reaction : No dangerous reaction known under normal conditions of use.
- 10.4. Conditions to avoid : Stable under recommended storage conditions.
- 10.5. Incompatible materials : Strong acids, strong oxidizers. and metals may cause a fire
- 10.6. Hazardous decomposition products : When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide smoke, oxides of nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

- Acute toxicity (ingestion) : Low acute toxicity
- Acute toxicity (inhalation) : May cause nose and throat irritation.
- Skin corrosion/irritation : May cause minor irritation in sensitive individuals
- Serious eye damage/irritation : Dust may cause temporary eye Irritation.
- Respiratory or skin sensitization : Not classified
- Germ cell mutagenicity : Not classified
- Carcinogenicity : Not classified
- Reproductive toxicity : Not classified
- STOT-single exposure : Not classified
- STOT-repeated exposure : Not classified
- Aspiration hazard : Not classified
- Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : No data available. Further testing has not been done.
- Symptoms/effects after eye contact : No data available. Further testing has not been done.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause No data available. Further testing has not been done.
- Other information : Dust of this product may cause eye irritation.



SECTION 12 : ECOLOGICAL INFORMATION

- 12.1. Toxicity
Ecology – general : Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment
- 12.2. Persistence and degradability
Persistence and degradability : The methods for determining the biological degradability are not applicable to inorganic substances
- 12.3. Bioaccumulative potential
Bioaccumulative potential : Does not bioaccumulate.
- 12.4. Mobility in soil : No additional information available
- 12.5. Other adverse effects
Other Information : No other effects known.

SECTION 13 : DISPOSAL CONSIDERATIONS

- 13.1. Disposal methods
Products/Packing disposal : Dispose of content/ container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Recommendations.

SECTION 14 : TRANSPORT INFORMATION

- 14.1 UN number : (Not subject to transport regulations).
- 14.2 UN proper shipping name : Not relevant.
- 14.3 Transport hazard class(es) : Not relevant (since the Self Heating Test showed that the related sample shall NOT be classified in Self Heating Substances).
- 14.4 Packing group : Not relevant (since the Self Heating Test showed that the related sample shall NOT be classified in Self Heating Substances).
- 14.5 Special precautions for user : None (non-environmentally hazardous acc. to the dangerous goods regulations).
- 14.6 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : There is no additional information.
- 14.7 Information for each of the UN Model Regulations : The cargo is not intended to be carried in bulk.
Transport of dangerous goods by : Not subject to ADR, RID and ADN. road, rail and inland waterway (ADR/RID/ADN).



	International Maritime Dangerous Goods Code (IMDG)	: Not relevant (since the Self Heating Test showed that the related sample shall NOT be classified in Self Heating Substances).
14.8	Transport Information	Not a marine pollutant
14.9	Air transport	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15 : REGULATORY INFORMATION

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

Relevant provisions of the European Union (EU) 14.2 UN proper shipping name

Regulation 649/2012/EU : Not listed concerning the export and import of hazardous chemicals (PIC)

Regulation 1005/2009/EC On : Not listed substances that deplete the ozone layer (ODS)

Regulation 850/2004/EC on : Not listed persistent organic pollutants (POP)
Restrictions according to REACH, Annex XVII : Not listed

Directive 2011/65/EU on the : Not listed restriction of the use of certain hazardous substances in electrical and : electronic equipment (RoHS) - Annex II

Regulation 166/2006/EC : Substance is listed in the following concerning the establishment of a national inventories:
European Pollutant Release and Transfer Register (PRTR)
- EINECS/ELINCS/NLP (Europe)
- REACH (Europe)



15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

Refer to safety data (91/55/EC)

Refer to hazardous material notice (67/548/EEC)

Refer to national and local regulations regarding the prevention and extinction of fire.

SECTION 16 : OTHER INFORMATION

- Action to take for Spills : Wrap with appropriate plastic bag and seal/tight.
If necessary clean and wash spill area.
- Waste Disposal Method : Collect and dispose waste at an authorized
disposal facility in accordance with applicable
local and national regulations.
- Work / Hygienic Practices : Wash thoroughly after handling

Disclaimer :

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet: Product safety department.

In a event of discrepancy between the contents of this MSDS and the English version of it, the English version shall prevail.

Acknowledge by
PT. Beckjorindo Paryaweksana
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End of Safety Data Sheet

