



Material Safety Data Sheet

PT. SINAR WIJAYA PLYWOOD INDUSTRIES

LUMPWOOD CHARCOAL

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

1.1. Product Identifier

Trade Name : LUMPWOOD CHARCOAL
CAS No. : 16291-96-6
Description : Lumpwood Charcoal is a block of combustible material that is used as fuel to start and maintain a flame.

1.2. Relevant identified uses and uses advised against

Identified use(s) : Fuel for barbeques.
Use(s) advised against : Currently not identified.

1.3. Details of supplier of safety data sheet

Company Identification: : Sinar Wijaya Plywood Industries
Unit 2/167-173 Hyde St, Yarraville VIC 3013
Telephone: : PH. 03 9687 1658

1.4. Emergency telephone number

1. Steve Cooper
steve@swpi.com
Mobile: +61 408 280 267
2. Karl Jani
karl@swpi.com
Mobile: +61 428 547 338

2. HAZARDS IDENTIFICATION

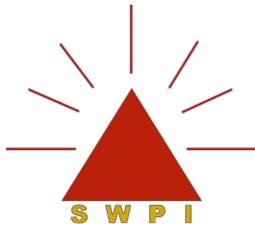
2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008 CLP : 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

NOT CLASSIFIED AS DANGEROUS GOODS OF SELF HEATING SUBSTANCES OF DIVISION 4.2 AS SET OUT IN THE UN MANUAL OF TEST AND CRITERIA, PART III 33.3.1.6

Note: A negative result is obtained in test using 25 mm cube at 140 ° C of 24 h test. Accordingly, said sample shall not be classified as Class 4.2 of the IMDG code: substances liable to spontaneous combustion.



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2.3. Other hazards

- Acute Eye : Dust generated from this product may irritate the eyes.
- Acute Skin : Prolonged or prolonged contact can cause skin irritation and skin rashes.
- Acute Inhalation : Dust can cause respiratory irritation including coughing and shortness of breath.
- Acute ingestion : Not expected to be a likely route of exposure during normal industrial use.
- Chronic effects : No long-term effects are expected from the product as it is received.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	:	CHARCOAL
CAS No.	:	16291-96-6
Percentage	:	100%

Parameter	Unit	Result
Moisture	Pct	-
Ash Content	Pct	2.38
Volatile Matter	Pct	23.98
Fixed Carbon	Pct	73.64

4. FIRST AID MEASURES

4.1. Description of first aid measures

- Inhalation (dust) : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/ attention if necessary.
- Skin Contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention
- Eye Contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention
- Ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Give water to drink. Get medical advice/ attention



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

- a. Inhalation of combustion products can result in carbon monoxide poisoning. Symptoms include nausea, dizziness, tiredness, headaches, stomach and chest pains. High levels of exposure can result in unconsciousness and death.
- b. Contact with burning product or hot products of combustion may cause burns.
- c. Dust contact with eyes, skin, respiratory and digestive tracts may cause irritation

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

No special requirements. Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1. Extinguishing media

- Suitable Extinguishing Media : Water spray, dry powder, foam or carbon dioxide.
Unsuitable Extinguishing Media : Water jet

5.2. Special hazards arising

Danger of dust explosion

- Hazardous combustion product : In case of wire may be liberated: carbon monoxide (CO), carbon dioxide (CO₂).

5.3. Advice for fire-fighters

Fire-fighters should wear complete protective clothing/ equipment, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

- a. Avoid creating dust clouds and do not inhale dusts. Where dust levels cannot be controlled, wear respiratory protective equipment of an approved standard.
- b. Avoid contact with eyes and skin

6.2. Environmental precautions

- a. Avoid discharge to drains, surface and groundwaters.
- b. Avoid creating dust clouds

6.3. Methods for containment and cleaning up

- a. User appropriate tools to out the spilled in a convenient waste disposal container.
- b. Spilt product may be recovered by mechanical or manual means (e.g. shovelling, vacuuming, or sweeping), wearing suitable protective clothing if dealing with large quantities.



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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.

7. HANDLING & STORAGE

7.1. Precautions for safe handling

- Avoid creating dust clouds. Where dust concentrations cannot be controlled, wear respiratory protective equipment of an approved standard.
- Keep the product in its original packaging and tightly close the packaging prior to safe storage.

7.2. Conditions for safe storage including any incompatibilities

7.2.1. Storage :

The Lumpwood Charcoal 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.

7.2.2. Incompatible product: Strong oxidizer

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

National limit values. Occupational exposure limit values (workplace exposure limit) not relevant.

8.2. Occupational Control

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.

Respiratory protection : Not normally required. However, where excessive dust cannot be controlled, wear respiratory protective equipment of an approved standard

Type of material : To EN 374



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Material thickness	:	NBR (Nitrille rubber)
Breakthrough times of the glove material	:	>0.11 mm
Other protection measures	:	>480 minutes (permeation: level 6)
Environmental exposure controls	:	Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P1 (filters at least 80 % of airborne particles, color code: White). Keep away from drains, surface and ground water.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Charcoal
Color	:	Black
Odour	:	None
Flash Point °C	:	Not available
Boiling Point °C	:	Not available
Ignition Point	:	Combustible
Melting point °C	:	398 °C
Evaporation rate	:	Not available
pH	:	7
Vapor density	:	Not available
Specific gravity	:	1.3 (Approximately)
Solubility (water)	:	Insoluble
Vapor pressure	:	< 0.1 mm Hg
Upper explosion limit	:	Not available
Lower explosion limit	:	Not available
Auto ignition temperature	:	Not available
Decomposition temperature	:	Not available
Viscosity	:	Not available.
Partition coefficient	:	Not available



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10. STABILITY & REACTIVITY

10.1. Reactivity

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

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions

Danger of explosion: Oxidisers, Peroxides.

10.4. Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5. Incompatible materials

There is no additional information. Contact with oxidizing (eg ozone, chlorine, liquid, and oxygen), acids and metals may cause a fire.

10.6. Hazardous decomposition products

Hazardous combustion products: see section 5.

11. TOXICOLOGICAL INFORMATION

This product is unlikely to represent a significant health hazard under normal conditions of handling and use.

11.1. Information on toxicological effects

Inhalation	:	Inhalation may irritate respiratory tract.
Eye contact	:	Dust may cause temporary eye irritation.
Skin contact	:	Minor, no effect expected
Ingestion	:	Minor, no effect expected
Symptoms	:	May cause a tearing of the eyes. Inhalation of dust may irritate respiratory tract
Sensitization	:	No information available
Mutagenic Effects	:	No information available



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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Acc. To 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment..

12.2. Process of degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bio accumulative potential

Does not significantly accumulative in organisms.

12.4. Mobility in soil

n-octanol/ water (log KOW)0,78..

12.5. Other adverse effects

Data are not available. Non-hazardous to water.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Reclaim, if possible; otherwise dispose o in accordance with all applicable federal, state, and local regulations.

13.2. Contaminated Packaging

Dispose of in accordance with all applicable federal, state, and local regulations.

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 of Class 4.2 of IMDG Code).

14.4. Packing group

Not relevant *(since the Self Heating Test showed that the related sample hall NOT be classified in Self Heating Substances of Class 4.2 of IMDG Code).

14.5. Special precautions for user

None (non-environmentally hazardous acc. to the dangerous goods regulations).



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14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

There is no additional information.

- Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) : Not subject to ADR, RID and ADN
- International maritime dangerous goods code (IMDG) : Not subject to IMDG. *(since Self heating Test showed that related sample is NOT classified as Self Heating Substances of Class 4.2 of IMDG code).
- Transport by Airlines IATA : Not restricted, passed the self heating test, classified in non hazardous substances

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

15.1.1. Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

Not Listed

15.1.2. Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Not Listed.

15.1.3. Regulation 850/2004/EC on persistent organic pollutants (POP)

Not Listed.

15.1.4. Regulation 166/2006/EC concerning the establishment of European Pollutants Release and Transfer Register (PRTR)

Substances is listed in the following national inventories:

- EINECS/ ELINCS/ NLP (Europe)
- REACH (Europe)

15.1.5. Restrictions according to REACH, Annex XVII

Not Listed.

15.1.6. Directive 2011/65/EU on the restrictions of the use of certain hazardous substances in electrical and electronic equipment (RoHS) – Annex II

Not Listed.

15.2. Chemical safety assessment

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



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16. OTHER INFORMATION

Always wash hands with soap and water before eating or drinking. Showering at the end of the working day is recommended. Launder contaminated clothing before reuse. Encourage no eating, drinking or smoking when handling this material.

- Respirators : In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken.
- Exposure Standards – Time Weighted Averages : Exposure standards are established on the premise of an 8 hours work period of normal intensity, under normal climatic conditions and where a 16 hours break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation)
- Personal Protective Equipment Guidelines : The recommendation for protective equipment contained within this MSDS report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.
- Health Effects From Exposure : It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a MSDS report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate

"The information contained in this document is based on data available at the time of writing, which in our opinion is accurate and reliable. Periodically, information will be updated."