



**FI 15221/1121**  
Nov 2021

## **Data Sheet Material Safety (MSDS)**

### *Section 1: Chemical Product and Company Identification*

MSDS Charcoal

Catalog number N / A

Synonym Charcoal

Company Extra Charcoal

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Legal

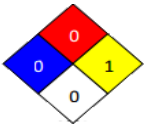
## Section 2: Composition - Identification Ingredients

### Parameter Units Result

1. Calorific higher s / s cte volume . cal / g 8081
2. Lower Calorific s / s cte pressure. cal / g 7936
3. Carbon, Hydrogen, Nitrogen s / s Carbon s / s 88.9%  
Hydrogen s/s 2.83%  
Nitrogens s/s 0.31%
4. Sulfur s / s < 0.13 %
5. Oxygen s / s 7.69%

Specification hazardous ingredients	None of the ingredients In this product are listed carcinogens IARC, NTP or OSHA. coal dust is produced as a result
Break %	N / A
Number CAS	16291-96-6 RTECS NO. FL 7243500
Ingredients LD.	N / A
Ingredients LC	N / A

## Section 3: Hazards Identification

Appearance	<ul style="list-style-type: none"> <li>• Odor: odorless.</li> <li>• Color black</li> <li>• texture porosity of the charcoals is within the field of macroporous (pore width 50 nm)</li> </ul>
 <p>Caution</p>	<ul style="list-style-type: none"> <li>• Health Hazard: 0</li> <li>• Flammability hazard: 0</li> <li>• Reactivity hazard 1</li> <li>• Special hazard: 0</li> </ul>
Health Effects	<p><u>Inhalation:</u> May be harmful if inhaled. May cause irritation to the tract respiratory</p> <p><u>Ingestion:</u> May be harmful if swallowed.</p> <p><u>Skin:</u> May cause skin irritation or allergic skin reaction</p> <p><u>Eyes:</u> May cause irritation.</p>

#### Section 4:First Aid

According Via Join the	<p><u>Agency:-Ingestion:</u> Little toxic. Rinse your mouth with water and drink 2-3 glasses of it. Never induce vomiting.</p> <p><u>Inhalación:</u> May be slightly harmful if inhaled can cause irritation to the respiratory tract.. If breathed, move the person into fresh air. If Breathing, give artificial respiration. Consult a physician.</p> <p><u>Contact With skin:</u> May be harmful if absorbed through the skin, can cause skin irritation: Wash with plenty of soap and plenty. water.</p> <p><u>Contact With Eyes:</u>Causes eye irritation Flush eyes with water as a precaution..</p>
Chemical	Other risks or health effects S / d
Important symptoms and effects, acute delayed.	<p>No acute or delayed effects from exposure to the product are known.</p> <p>Indications of immediate medical attention and special treatment needed immediately disperse.</p> <p>In cases of doubt, or when symptoms persist unwell, seek medical attention. Never give anything by mouth to people who are unconscious.</p>

## Section 5: Firefighting Measures

Extinguishing media Recommended	<ul style="list-style-type: none"><li>• Extinguishing powder or CO<sub>2</sub></li><li>• In more severe cases alcohol resistant foam.</li><li>• Water spray</li><li>• Limiting oxygen in its early stages, if possible.</li></ul>
Advice for firefighters.	<p>Cool with water the tanks, cisterns or close to the heat source or fire.</p> <p>Have in mind the direction of the wind. Prevent products used in fighting the fire from going into drains, sewers or waterways.</p> <p>Fire protection equipment. Depending on the magnitude of fire, protective suits against the heat, independent respiratory equipment, gloves, goggles or face masks and boots may be necessary.</p>
Autoignition	is not possible
Ignition temperature	349 °C / 660 °F
Flash Point	Very low hazard > 200 °F (93 °C)
NFPA	N / A
Explosive Limits	Low N / A High N / A

## Section 6: Measurement of accidental release

### Overview:

Use necessary protective equipment

Personal precautions, protective equipment and emergency procedures. For exposure controls and personal protection measures.

Environmental Precautions. Product not classified as dangerous for the environment, avoid as much as possible any spillage.

Methods and materials for containment and cleaning. Collect spillage with non combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth). Pour the product and the absorbent in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant.

Add the decontaminant to the remnants and let for several days until no reaction in a non sealed container.

Reference to other sections. For exposure controls and personal protection measures. For waste disposal.

## *Section 7: Delivery and Storage*

### Precautions for safe handling

Charcoal is a difficult product to adulterate, does not deteriorate in the shell and its only fault is its friability, by which is broken and It makes dust during handling and transport. Never use pressure to empty the containers. They are not pressure resistant containers (paper bags).

Conditions for safe storage, including any incompatibilities.

Maintain the sites where the temperature is below 80 ° C.

No special storage conditions

### As for general conditions:

- heat sources avoid
- radiation
- electricity
- food contact

Keep away from oxidising agents and strongly acid or alkaline materials. Store between 5 and 35 ° C in a dry and well ventilated area. Store under current legislation. Observe the indications of the tag.

## Section 8: Personal Protection and Exposure Controls

Control parameters.

The product contains substances Values Limit Environmental Professional Exposure.

Exposure controls.

Technical Measures: Provide adequate ventilation, which can be achieved by using good local exhaust ventilation and good general extraction; considering that the recommended use of this product is on the outside.



Respiratory Protection: If the recommended technical measures are met do not need any personal protective equipment. If there hypersensitivity in the airways using masks

Hand protection recommended: PPE: Protective gloves

Features: Marked 'CE' Category II. CEN standards: EN 374-1, EN 374-2, EN 374-3, EN 420



Eye protection: PPE: Face shield Features: Marked 'CE' Category II. Eye and face protection against splash of liquids. CEN standards: EN 165, EN 166, EN 167, EN 168

Skin protection: PPE: Protective clothing Features: Marked 'CE' Category II. Protective clothing should not be tight or loose to not interfere with the user's movements. CEN standards: EN 340

EPI: Work footwear Features: Marked 'CE' Category II. CEN standards: EN ISO 13287, EN 20347

## Section 9: Physical Properties Chemical

- Specific gravity of charcoal ranges from 0.25 to 0.40 g /cm<sup>3</sup>
- Humidity between 4% 5%
- Fixed Coal 91%
- Volatile substance <5%
- Content ash <2%

- Particle size > 2 cm
- Baking: 400 ° C - 700 ° C
- Calorific: 29,000 to 35,000 kJ / kg
- Bulk density: 250-300 kg /m<sup>3</sup>
- Relative density (water = 1): 1.82.1
- Molecular Weight: 12.01
- Boiling point: 4500 ° C
- Melting point: 3550 ° C
- Form: solid
- Characteristic odor
- Is not soluble water

## Section 10: Stability and Reactivity

Reactivity. The product does not present hazards due to its reactivity.

Chemical Stability. Stable under recommended handling and storage

Possibility of hazardous reactions. The product does not present the possibility of hazardous reactions.

Conditions to avoid. Avoid temperatures near flashpoint, not heat closed containers.

Incompatible Materials. I keep away from oxidizing agents and strongly alkaline or acidic materials, to avoid exothermic reactions.

Hazardous decomposition products. In case of fire it may generate hazardous decomposition products such as carbon monoxide and carbon dioxide, smoke and nitrogen oxides.

## Section 11 Toxicological Information

Information on toxicological effects. There are no data available on the product. Repeated or prolonged contact with the may cause removal of fat from the skin, resulting in a non allergic contact dermatitis because the product is absorbed through the skin. Splashes in the eyes may cause irritation and reversible damage.

## Section 12: Ecological Information

Toxicity. There is no information regarding the ecotoxicity of the substances present.

Persistence and degradability. No information available about persistence and degradability of the product.

Bioaccumulation potential. There is no information regarding the bioaccumulation of the substances present.

Mobility in soil. No information available on the mobility in soil. Do not allow the product into sewers or waterways. Prevent penetration into the ground.

Results of PBT and vPvB assessment. No information available on the PBT and vPvB assessment product.

Other adverse effects. No information available about other adverse effects on the environment.

## Section 13: Considerations on Waste

Treatment methods Waste. Into drains or waterways is not allowed. Waste and empty containers must be handled and disposed of in accordance with local / national regulations.

## Section 14: Transport Information

No hazardous material represents an environmentally - Peligrosas: No

- Proper Shipping Name: Wood Charcoal
- UN number: 1361
- Shipping Name UN. Description: A 1361 COAL, 4.2, PG II, (D / E)
- Class (s) of Transport hazard 4.2



- PG: II.Moderate risk
- Spontaneous combustion no produces



***Coal does not represent a dangerous load, since according to IMDG, chapter 2, where it explains that if the 24 hour 100 mm non-combustibility test is negative (inactive), it is considered a non-dangerous load. As is the case with this one.***

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Quote:

**"2.4.3.2.3.2** A substance shall not be classified in Class 4.2 if:

1. A negative result is obtained in a test carried out on a sample 100 mm cubic side at 140 °C "

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Special precautions for users.

Tags: 4.2

Number of danger: 4

Transport by ship, fem - Emergency sheets (F - Fire, S - Spills): FA, SJ.

#### Section 15: Regulations

- OSHA State (USA.): Not applicable.
- TSCA Chemical Inventory: This compound is on the Toxic Substances EPA
- Control Act inventory list (TSCA) TSCA Chemical Inventory: This compound is a few minutes inventory
- Chemicals Control (TSCA English) EPA
- California proposition 65: to our knowledge, this product contains no levels of listed substances, which has the state of California not found to cause cancer, birth defects or other reproductive effects.

#### SARA Title III 313:

- Section 302 Extremely Hazardous Substances: None
- Section 311/312 Hazard Categories: None

- Section 313 Toxic Chemicals: None

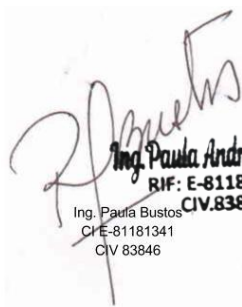
WARNING: This product has been tested in accordance with the Transport of Dangerous Goods of the test product of the United Nations Protocol for auto ignition substance. "It has been specifically determined that this product does not meet the definition of a substance or any other type of risk, and therefore MATERIAL IS NOT HAZARDOUS.

#### Section 16. Other Information

It is recommended to use the product only for the uses contemplated. The information provided in this safety data sheet has been prepared in accordance with Regulation (EU) No 453/2010 of 20 May 2010 amending amending Regulation (EC) No 1907/2006 OF PARLIAMENT EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH), establishing European Agency chemicals is created, amending Directive 1999/45 / EC and Regulation (EEC) No 793/93 and Regulation (EC) No 1488/94 and Directive 76/769 / EEC and Directives 91/155 repealing / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC.

#### Section 17: Using the product .

It will be marketed in restaurants with the original package.  
Material to be used by restaurants and homes in barbecues



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This document is valid for one year, the information on this safety data sheet the Preparation is based on current knowledge and on current laws EC and national, as the working conditions of users are beyond our knowledge and control. The product should not be used for purposes other than those specified, without an instruction in writing, of its handling.is if the user takes appropriate measures in order to meet the requirements established by legislation.