

ASSI CHARCOAL

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1:

Hazards Identification

GHS

Charcoal

Not Classified

Implementation EU

State/Form of The Substance: Solid

DSD-DPD

Charcoal

General Information;

Moisture: < 10 %

Volatile Matter: < 14 %

Fix Carbon: >70 %

Ash: < 3 %

Size: Cubes

Material: Charcoal (100 % natural material)

SECTION 2:

Composition/Information on ingredients

3.1 Substance

Substance Identification

Charcoal

EC Number: 271-974-4

EC Name: Charcoal

CAS Number: 68647-89-9

SECTION 3:

First Aid Measures

4.1 Description of first aid measures

Inhalation: Fresh air, rest. Obtain medical attention.

Skin Contact: Take off contaminated clothes; rinse the skin with water and soap.

Obtain medical attention if irritation becomes apparent.

Eye Contact: Immediately flush with copious amounts of water (remove contact lenses, provided that it can be done easily). Obtain medical attention.

Ingestion: Wash mouth and give two glasses of water to drink. Obtain medical attention. This

Product is content of 100 % natural material, only need water to drink.

SECTION 4:

Firefighting measures

Prevention: Keep away from sources of heat or naked flames. Do not keep / store shisha Charcoal into a high temperature place above 155-degree Celcius.

Extinguish: Spray – jet of water. Avoid stirring up dust clouds. Under certain

Condition charcoal can not produce explosive Atmosphere.

Dangerous Decomposition: Carbon Dioxide and carbon monoxide.
Products

Personal Protection: Standard firefighters personal protective equipment including self Containing breathing apparatus

SECTION 5:

Accidental Release Measures

Removal of product: Scoop up spilled product and vacuum clean if necessary.

SELECTION 6:

Handling and Storage

Appropriate protective equipment should be worn. Avoid stirring up dust clouds. Keep clouds away

From ignition sources.

Storage: Keep separated from direct heat or naked flames and direct sun light. Dry storage (RH < 70%) in the original undamaged packaging. The best temperature for storage is below 50 Degree Celcius. Charcoal must be store in a place below 150-degree celcius.

SECTION 7:

Exposure Controls / Personal Protection

8.1 Control Parameters

Appropriate protective equipment should be worn. Avoid stirring up dust clouds. Keep dust clouds

Away from ignition sources

SECTION 8:

Physical and Chemical Properties

9.1. Information on basic Physical and Chemical Properties

Charcoal has the following properties:

- Appearance: Cubes, 2.5 X 2.5 X 1.7 mm
- Physical State: Solid (pressed)
- Colour: Dark Grey
- Density or Apparent Density: 1497k/m³ or 0.40-0.54 g/cc
- Water Solubility: 161 ppm at 20 C

- Self-heating temperature: 139 – 142 degree Celcius

- Time: 24 Hours

The substance, when packaged in volumes of less than 2 m³ (e.g. cartoon bag), is NOT CLASSIFIED as self-heating substances under CLP and the UN rules.

The Flammability of charcoal has been determined according to Council Regulation (EC) No 44012008, Annex, part A.10 and Norit H.W.A.8.3.2.22.

Charcoal could be ignited, but extinguished without significant spread. It was found to be not a

Flammable substances.

SECTION 9:

Stability and reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Contact with oxidizing substances or ignition sources.

Material to Avoid: Oxidizing substances.

Dangerous Decomposition Products : Carbon dioxide and carbon monoxide.

Disposal: Scoop up spilled product and vacuum clean if necessary. Reuse reclaimed Materials.

SECTION 10:

Toxicological information

1.1 Information on Toxicological effects

Oral

Based upon the referred classification criteria (Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008), Charcoal is not classified with respect to acute oral toxicity in the rat .

Skin Irritation

In conclusion, it can be stated that in this study and under the experimental conditions reported, the test item charcoal is non-irritating to skin.

Eye irritation

In conclusion, it can be stated that in this study and under the experimental conditions reported the test item charcoal is not considered to be a severe eye irritant.

Skin Sensitization

The test item charcoal was not a skin sensitizer under the described conditions.

Genetic Toxicity

In conclusion, it can be stated that during the described mutagenicity test and under the experimental conditions reported, the test item did not induce gene mutations by base pair changes or frame shifts in the genome of the strains used.

SECTION 11:

Ecological Information

Charcoal product is not readily biodegradable substance.

SECTION 12:

Disposal Considerations

13.1. Waste Treatment Methods

Dispose of in compliance with local, regional and national regulations.

SECTION 13:

Transport Information

14.1. UN Number

Not Classified

14.2. UN Proper Shipping Name

Not Classified

14.3. Transport Hazard Class (es)

Not Classified

14.4. Packing Group

Not Classified

14.5. Environmental Hazards

Not Classified

14.6. Special Precautions for User

Not Classified

14.7. Transport in bulk according to annex II of MARPOL73 | 78 and the IBC Code

Not Classified

SECTION 14:

Regular Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Not Classified

15.2. Chemical Safety Assessment

Not Classified

SECTION 15:

Other Information

Identified Uses

Information on Uses

Uses by workers in Customer Consume

Handling/use in closed continuous system, occasional controlled

“Visual” exposure only (sampling)