

CACAO EN POLVO

FICHA DE SEGURIDAD

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product name:

CACAO EN POLVO

Product use:

Intermediary product in the food chain.

Identification of company:

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2. COMPOSITION / INFORMATION OF COMPONENTS

COCOA POWDER

Hazardous components:

None

Emergency Overview

WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR
(DURING PROCESSING)

3. HAZARDS IDENTIFICATION

Routes of Entry

Eyes:	Mild Irritation may occur
Skin:	No known hazard
Inhalation:	Irritation may occur
Ingestion:	No known hazard

Danger of dust explosion under extreme conditions

Lower Exposure Limit:	725 g/m ³
Ignition Temperatures:	500
Minimum Ignition Energy:	120mJ
Maximum Explosion Pressure:	5.0 bar
Maximum Rate of Pressure Rise:	93 bar/sec

Dust Explosion Constant (K): 62 bar m/sec

4. FIRST AIDS MEASURES

Contact with eyes:	Rinse with abundant Water or eye wash solution for 15min. Consult doctor if irritation persist.
Contact with skin:	No know hazard
Inhalation:	Remove to fresh air. If continued respiratory irritation occurs or if breathing becomes difficult, seek medical attention.
Additional information:	None

5. PROTECTION MEASURES FOR FIRE EXTINCTION

Adequate extinction means:	Foam, powder, water spray and carbon dioxide
Particular risks:	None
Additional information:	Avoid accumulation of dust, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

6. MEASURES TO TAKE IN CASE OF ACCIDENTAL SPILLAGE

Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Protection measures for persons:

Avoid inhalation and contact with eyes. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

Protection measures for the environment:

Not to let the product spill into the sewer system.

Means of cleanliness / withdrawal:

Gather, storing it inside appropriate containers and eliminate according to local regulations in force. Biodegradable product.

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7. HANDLING AND STORAGE

Handling:

Under the hygienic-sanitary suitable precautions. Avoid dust formation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Provide appropriate ventilation where dust forms. In the event where there is insufficient ventilation wear suitable breathing equipment.

Storage:

Temperature: between 15°C and 20 °C

Relative humidity: < 65 %

Keep container closed and protect from humidity. Avoid accumulation of dust.

Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

8. EXPOSURE CONTROL AND MEASURES OF PERSONAL PROTECTION

Personal protection:

Utilisation of mask to avoid to inhale the powder, and safety glasses if needed.

General measures of protection:

Manipulate under the hygienic-sanitary suitable precautions. Ensure good ventilation of the work situation. Evaluate the need of other measures based on application.

All dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Use only appropriately classified electrical equipment and powered industrial trucks

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Powder.

Colour:

Brown. Typical.

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Aroma:	Characteristic of cocoa
Solidification point:	Always solid
Boiling point:	Always solid
Fire point:	> 135 °C
Ignition point:	> 150 °C
Water solubility:	Dispersable
Bulk density:	350-400 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility (Materials to Avoid):	N/A
Hazardous Decomposition or by products:	N/A
Conditions to Avoid:	Avoid contamination of product. Danger of dust explosion under extreme conditions. Avoid accumulation of dust.

11. TOXICOLOGICAL INFORMATION

NON TOXIC

Effect of primary irritation on the skin:	Not irritant.
Effect of primary irritation in mucous:	Not determined.

12. ECOLOGICAL INFORMATION

Persistence and Degradability:	Easily Degradable
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13. ELIMINATION OF RESIDUES

To eliminate always in agreement to the regulations and local in force regulations in authorized managers of residues.

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14. INFORMATION RELATIVE TO THE TRANSPORT

Not dangerous product according to the criteria of the regulation of the transport.

15. DISPOSITIONS (REGULATIONS) OF LEGAL CHARACTER

Labelling according to the CEE Boards:	Not dangerous product
Indication of dangerousness:	Not applicable
Phrases R:	Not applicable
Phrases S:	Not applicable

16. OTHER INFORMATION

The information contained in this safety leaf is based on our current knowledge and tries to give the description of our product from the point of view of the requirements of health and safety and it is for documentation purposes only.

The recipient of our product will have to observe, under your responsibility, the regulations and corresponding regulations.

Refer to NFPA 654, *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.*

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