

MATERIAL SAFETY DATA SHEET

Olive Stone Powder

Date: 19/04/2020

1) PRODUCT AND COMPANY INFORMATION

1.1 Product name:

Olive Stone Granules / Olive Stone Powder

1.2 Product use: Raw material for cosmetic, pharmaceutical, food/feed, decorative and chemical applications

1.3 Supplier Information:

Huett Herbal

Street:

Hauptstraße 103

Post Code / City:

CH-4233 Meltingen

Phone:

+41 817104708

2) HAZARDS IDENTIFICATION

2.1 Classification of the substance:

| | |
|---|-----------------------------|
| Classification according to EC regulation n°1272/2008 (CLP) | Not classified as hazardous |
| Classification according to directives n°67/548/EC and 1999/45/EC | Not classified as hazardous |

2.2 Labeling elements:

| | |
|---|-----------------------------|
| Classification according to EC regulation n°1272/2008 (CLP) | Not classified as hazardous |
| Classification according to directives n°67/548/EC and 1999/45/EC | Not classified as hazardous |

2.3 Other hazards: Not determined

3) COMPOSITION – INFORMATION ON INGREDIENTS

100% clean, raw, crushed olive stones (without seed) / Olea Europaea Stones; no additives besides drinking water

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4) FIRST AID MEASURES

4.1 Description of first aid measures:

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| Inhalation | Allow the victim to rest in a well-ventilated area. No harmful effects known for otherwise healthy individuals. |
| Skin Contact | No known effect on skin contact, rinse with water to remove. |
| Eye Contact | Rinse with water for a few minutes. Take off the contact lens and continue to rinse. If effects appear, seek medical advice preferably an ophthalmologist. |
| Ingestion | Wash the mouth with water. Do not induce vomiting |

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

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|--------------|--|
| Inhalation | None under normal conditions. |
| Skin Contact | Repeated or prolonged skin contacts may cause irritation. |
| Eye Contact | Contact with the eyes is likely to be irritating. |
| Ingestion | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. |

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

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|---------------------|---|
| General information | Never give anything by mouth to an unconscious person. Seek medical advice. |
| Medical treatment | Treat symptomatically. |

5) FIRE-FIGHTING-MEASURES

5.1 Extinguishing media:

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| Methods of extinction | Water fog or thin droplets. Carbon dioxide. Extinction with powder |
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5.2 Special hazards arising from the substance or mixture:

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| Combustion | Under fire conditions, no hazardous fumes will be present |
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5.3 Advices for fire-fighters:

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|-------------------------------|--|
| Protection of involved people | Wear a self-working breathing protective apparatus in high-pressure and protective clothing against fire (helmet, coat, trousers, boots and gloves). Do not inhale vapors. |
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6) RELIEF MEASURES IN CASE OF ACCIDENTS

6.1 Personal precautions, protective equipment and emergency procedures:

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| Individual protection | Wear an appropriate equipment to clean spilled product. Avoid any source of ignition. Ventilate the area. Do not inhale vapors. |
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6.2 Environmental precautions:

| | |
|---------------------------|--|
| Environmental precautions | None. Fully natural and biodegradable product. |
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6.3 Methods and material for containment and cleaning up:

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|------------------|---|
| Cleaning methods | Wipe with a damp cloth. No need to use cleaning agents. |
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6.4 Reference to other sections: See sections 7 and 8

7) HANDLING AND STORAGE

7.1 Precautionary measures for safe handling:

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| Handling | Provide good ventilation for storage and handling rooms. Avoid smoking in the storage and handling area. Handle with care in order to avoid soiling. |
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7.2 Conditions for a safe storage, including any incompatibilities:

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|---------|--|
| Storage | Put sheltered from excessive heat and light, in dry and well-closed containers. Avoid high temperature variations, keep in a temperate area. |
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8) EXPOSURE CONTROL – INDIVIDUAL PROTECTION

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|--|---|
| Limit value for exposure | None established. |
| Engineering Controls | Good overall ventilation should be enough. |
| Breathing protection | When limit values for exposure and/or comfort values risk to be overstepped, use a breathing protective apparatus, purifying the air (generally not applicable to coarse granules). |
| Protective clothing | Generally none required. In case of hypersensitivity, wear a lab coat and gloves resisting to the product in case of extended or frequently repeated contact. |
| Protection of eyes/face | Wear safety glasses to avoid eye contact. |
| Individual protection in case of a large spill | Wear a full protective suit, boots and gloves to protect yourself from soiling. |

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9) PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical properties:

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|-----------------------------|---------------------------|
| Hardness according to MOH | 3.5 |
| Specific gravity | 1.2-1.4 |
| Packing density | 690-740kg per cubic meter |
| pH at 25°C in neutral water | 6-7 |
| Flash point | 180-190°C |
| Charring temperature | 240°C |

9.2 Chemical analysis:

| | |
|----------------------|----------|
| Dry mass | 85-92% |
| Moisture | 9-13% |
| Ash (at 550°C) | 1.64% |
| Ash (at 850°C) | 1.41% |
| Sulphur | 0.02% |
| Carbon | 45.9% |
| Cellulose | 40-60% |
| Lignin | 20-30% |
| Hydrogen | 5.37% |
| Nitrogen | 0.30% |
| Oxygen and chlorine | 37.6% |
| Lipophilic compounds | 0.9-1.5% |

10) STABILITY AND REACTIVITY

| | |
|---------------------|---|
| Stability | Stable for > 2 years if stored correctly. |
| Reactivity | No dangerous reaction known under normal conditions of use. |
| Conditions to avoid | Avoid ignition sources. |

11) TOXICOLOGICAL INFORMATION

| | |
|------------------------------------|--------------------------|
| Acute toxicity, chronical toxicity | None |
| Ocular Soreness | None and/or undetermined |
| Cutaneous soreness | None |

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12) ECOLOGICAL INFORMATION

Fully biodegradable product; can be disposed of as organic waste.

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Fully biodegradable product; can be disposed of as organic waste.

14) TRANSPORTATION INFORMATION

| | |
|----------------------------------|----------------------|
| <i>Land transport (ADR-RID)</i> | <i>Not regulated</i> |
| <i>Sea transport (IMDG)</i> | <i>Not regulated</i> |
| <i>Air transport (IATA-ICAO)</i> | <i>Not regulated</i> |

15) REGULATORY INFORMATION

15.1 Specific safety, health and environmental regulations/legislations for the substance or mixture:

Not considered as an hazardous substance according to directives 67/548/EEC and 1999/45/EC or regulation 1272/2008.

15.2 Chemical Safety Assessment: Not carried out

16) OTHER INFORMATION

This material safety data sheet is established in accordance to REACH regulation (EU) n°1907/2006, regulation (EU) n°453/2010 and regulation (EU) n° 2015/330.

The information contained in it is based on our best current knowledge relative to the concerned product, at the mentioned date. They are given bona-fide. The attention of the users is drawn on the risks possibly incurred when a product is used in other manners than those for which it is conceived.

In no case it exempts the user of knowing and applying all the texts regulating its activity. He will take under his only responsibility the precautions connected to the use he makes of the product. All the mentioned statutory prescriptions simply aim at helping the addressee to fill the obligations that fall to him during the use of the product.

This content of this document must not be considered as a warranty (expressed or implied), to specific properties and /or product use conditions. In all cases, it is the responsibility of the user matching the recommendations and determining the suitability of any product for a particular application or use. This enumeration must not be considered as exhaustive and does not exempt the addressee to make sure that possibly other obligations fall to him concerning the detention, manipulation and use of the product for which he is the only responsible.