



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

**Trade Name: SERRAVIT CAPSULE**

• **Article number: 2020/04**

• **Manufacturer/Supplier:**

HUMAT KİMYA İLAÇ KOZMETİK GIDA ÇEVRE SAN. TİC. LTD.ŞTİ.

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• **Information:** see: Section 16 (Contact)

• **Emergency information:** see: Manufacturer/Supplier

### 2. COMPOSITION/ DATA ON COMPONENTS

• **Chemical characterization:** Humic acids

• **Chemical state:** Solid

Chemical Name	CAS#	EINECS/ELINCS
Humic acid	1415-93-6	215-809-6
Hydroxypropyl Methyl Cellulose	9004-32-4	618-389-6

### 3. HAZARDS IDENTIFICATION

• **Hazard designation:** None

• **Information pertaining to particular dangers for man and environment**

Has not been reported

### 4. FIRST AID MEASURES

• **General information:**

No special measures required.

• **After inhalation:**

Seek medical treatment in case of complaints.

• **After skin contact:**

Seek medical treatment in case of complaints.

• **After eye contact:**

Seek medical treatment in case of complaints.

• **After swallowing:**

Seek medical treatment in case of complaints.



## **5. FIRE FIGHTING MEASURES**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

- **Special hazards caused by the material, its products of combustion or resulting gases:**

Can be released in case of fire. Carbon monoxide (CO).

- **Protective equipment:**

Put on breathing apparatus. Wear full protective suit.

## **6. ACCIDENTIAL RELEASE MEASURES**

- **Person-related safety precautions:**

Ensure adequate ventilation. Avoid causing dust.

- **Measures for environmental protection.**

Do not allow to enter drainage system, surface or ground water.

- **Measures for cleaning/ collecting:**

Collect mechanically.

## **7. HANDLING AND STORAGE**

- **Handling**

- **Information for safe handling:**

Ensure good ventilation/ exhaustion at the workplace.

- **Information about protection against explosions and fires:**

Keep ignition sources away – Do not smoke.

- **Storage**

- **Requirements to be met by storerooms and containers:**

No special requirements.

- **Information about storage in one common storage facility:**

Not required.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed containers.

- **Storage class:**

None

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

- **Additional information about design of technical systems:**

No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

None listed

- **Personal protective equipment**

Not necessary

- **General protective and hygienic measures:**

Not necessary



- **Breathing equipment:**

Not necessary.

- **Protection of hands:**

Not necessary.

- **Material of gloves:**

Not necessary

- **Penetration time of glove material:**

Not necessary

- **Eye protection:**

Not necessary

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- **General information:**

Form: Solid

Colour: Dark brown

Odour: Not distinguishable

- **pH-value (10 g/l) at 20°C:** 7.0 – 7.5 (ISO 8975)

- **Change in physical state:** above 250°C destroyed to CO<sub>2</sub>, H<sub>2</sub>O and soot

Melting point/ Melting range: Not determined

Boiling point/ Boiling range: Not applicable

- **Flash point:** 300°C

- **Inflammability:** Product is not inflammable.

- **Danger of explosion:**

- **Ignition temperature:**

- **Decomposition temperature:** > 100°C (DIN 53171)

- **Density at 20°C:** 1.1 g/cm<sup>3</sup> (ISO 2811)

- **Solubility in water at 20°C:** approx. 200 g/l

- **Solubility in other solvents:** ethanol 10 g/l

## 10. STABILITY AND REACTIVITY

- **Thermal decomposition/ Conditions to be avoided:**

No decomposition if used according to specifications.

Avoid mixing with acidic materials - this ruins product.

- **Dangerous reactions:**

No dangerous reactions known.

- **Dangerous products of decomposition:**

No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:**

LD50/ Oral/ rat: mg/kg

LC50/ Inhal/ rat: mg/l



- **Primary irritant effect:**

- **on the skin:** No effect.
- **on the eye:** No effect.

## 12. ECOLOGICAL INFORMATION

- **General notes:**

Do not allow product to reach underground or surface water or sewage system.

- **Behavior and environmental fate:**

Spontaneous coupling by biochemical reaction in soil.

## 13. DISPOSAL CONSIDERATIONS

- **Product:**

- **Recommendation**

Remove according to local authority recommendations, e.g. convey to a suitable incinerator. Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

- **European waste catalogue**

The waste code classification is to be carried out according to the European Waste Catalogue (EWC) specifically for each branch of industry and each type of process.

- **Uncleaned packagings:**

- **Recommendation:**

Disposal must be made according to official regulations.

## 14. TRANSPORT INFORMATION

- **Land transport ADR/ RID a GGVS/ GGVE**

- **ADR/ RID:** is not a dangerous matter

- **GGVS/ GGVE:** is not a dangerous matter

- **Inland waterway transport (AND/ ADR):** is not a dangerous matter

- **AND/ ADR:** is not a dangerous matter

## 15. REGULATORY INFORMATION

- **Designation according to EC guidelines:**

The product has been classified and labelled in accordance with EC Directives/ Ordinance on Hazardous Materials (GefStoffV)

- **Code letter and hazard designation of product:**

None

- **Risk phrases:**

None

- **Safety phrases:**

None

## 16. OTHER INFORMATION

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.



- **Relevant R-phrases**

None

- **Department issuing data specification sheet :**  
Product Safety Department

- **Contact:**

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