

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 **Product name Product** : Solute Cleaning Capsules
Description : Cleaning Products
Recommended use : Industrial/Professional use
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Use: cleaning agent
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 U&I Concepts B.V., Zirkoon 200, 3316 KD, Dordrecht, 085-0211582, info@uni-concepts.nl
- 1.3.2 **Responsible for the data sheet:**
 CoSiChem AG, Ernst-Lemmer-Straße 23, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
 Telephone: +41 (0)44 879 16 31 (8:00 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
Classification and labelling according to Directive 1272/2008/EC: Eye Irrit. 2 H 319 / Skin Irrit. 2 H 315
- 2.2 **Label elements** Hazard pictogram(s):
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: Yes. Signal word(s): Warning Component(s):
- H - Phrases:**
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
- P - Phrases:**
 P102: Keep out of reach of children.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P301 + P315: IF SWALLOWED: Get immediate medical advice/attention.
 P101: If medical advice is needed, have product container or label at hand.
- Additional Markings: None.
- The above mentioned labelling is valid for distribution to industrial user/ private consumer.
- 2.3 **Other hazards**
 Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.



Solute Cleaning Capsules

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"***" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

SECTION 3: Composition/information on ingredients3.1 **Substances**

n. ap.

3.2 **Mixtures****Chemical Characterisation:**

Preparation

Dangerous Ingredients:

| Material | | | H - phrases | m% - range |
|---|-----------|-------------|---|------------|
| CAS - No. | EC - No. | REACH - No. | | |
| disodium carbonate, compound with hydrogen peroxide (2:3) | | | Ox. Sol. 2 H271 Acute Tox. 4 H302 Eye Dam. 1 H318 | 20 - 30% |
| 15630-89-4 | 239-707-6 | n. av. | | |
| Sodium carbonate | | | Eye Irrit. 2 H319 | 20 - 30% |
| 497-19-8 | 207-838-8 | n. av. | | |
| Citric acid | | | STOT SE 3 H335 Skin Irrit. 2 H315 Eye Dam. 1 H318 | 10 - 20% |
| 77-92-9 | 201-069-1 | n. av. | | |

Text of H - phrases: see section 16

SECTION 4: First aid measures4.1 **Description of first aid measures**4.1.1 **Inhalation:**

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

4.1.2 **Skin Contact:**

Before washing use a dry brush to remove dust from skin. Wash off with plenty of water. If skin irritation persists, call a physician.

4.1.3 **Eye Contact:**

Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

4.1.4 **Ingestion:**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Call a physician immediately. Show this safety data sheet to the doctor in attendance.

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

May cause irritation of the mucous membranes.

Inhalation of dust is irritating to the respiratory system, may cause throat pain and cough.

4.3 **Indication of any immediate medical attention and special treatment needed** Treat symptomatically.**SECTION 5: Firefighting measures**5.1 **Extinguishing media**5.1.1 **Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam.5.1.2 **Extinguishing Media to Avoid:**

None.

5.2 **Special hazards arising from the substance or mixture**

In the event of fire the following can be released: respirable dust carbon oxides, oxides of phosphorus.

5.3 **Advice for firefighters**5.3.1 **Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 **Additional Information:**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures6.1 **Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

Avoid dust formation.

6.2 **Environmental precautions**

Do not contaminate water. Do not let product enter drains.

Local authorities should be advised if significant spillages cannot be contained.

Solute Cleaning Capsules

- 6.3 **Methods and material for containment and cleaning up**
 Use mechanical handling equipment. Avoid dust formation.
 If recycling is not practicable, dispose of in compliance with local regulations.
- 6.4 **Reference to other sections**
 None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling:**
 Avoid contact with skin and eyes. When using, do not eat, drink or smoke.
 Wash hands before breaks and at the end of workday.
 Take off all contaminated clothing immediately.
 Do not breathe dust.
- 7.1.2 **Precautions in Case of Fire and Explosion:**
 Keep away from heat and sources of ignition.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**
 Store in original container. Keep in a dry, cool place. Protect from frost, heat and sunlight. Never allow product to get in contact with water during storage (hygroscopic).
 Decomposes slowly on exposure to water.
- 7.2.2 **Store away from:**
 Do not store near acids.
- 7.2.3 **Further Information on Storage Conditions:**
 Product is hygroscopic. Never allow product to get in contact with water during storage.
- 7.3 **Specific end use(s)**
 n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**
- | Material | Limit Value |
|----------|-------------|
| | |
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
 Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** In the case of respirable dust, use self-contained breathing apparatus.
- 8.2.2b **Hand Protection:** Protective gloves complying with EN 374. butyl-rubber nitrile rubber (0,5 mm) break through time > 8 h
 The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c **Eye Protection:** Tightly fitting safety goggles
- 8.2.2d **Skin Protection:** Protective suit
- 8.2.2e **Further Information:** Observe wearing time limits:
- 8.2.3 **Environmental exposure controls:**
 n.av.

Solute Cleaning Powder

SECTION 9: Physical and chemical properties

- 9.1 **Information on basic physical and chemical properties**
- 9.1.1 **Form:** powder **Colour:** white **Odour:** characteristic
Odour threshold: n.av.
- 9.1.2 pH-value, undiluted: n.ap.
 pH-value, 1% aqueous solution: 10
- 9.1.3 Boiling point / Boiling - range (°C): n.av., Melting point / Melting range (°C): n.av.
- 9.1.4 Flash point (°C): n.ap., closed cup
- 9.1.5 Flammability (EEC A10/A13): No.

Solute Cleaning Capsules

| | | |
|--------|---|---------------------|
| 9.1.6 | Ignition temperature (°C): | n.av. |
| 9.1.7 | Autoflammability (EEC A16): | None. |
| 9.1.8 | Oxidising properties: | No. |
| 9.1.9 | Explosion hazard: | No. |
| 9.1.10 | Explosion limits (Vol.%) lower: | n.av., upper: n.av. |
| 9.1.11 | Vapour pressure: | n.av. |
| | Vapour density (Air = 1): | n.av. |
| 9.1.12 | Density (g/ml): | n.av. |
| 9.1.13 | Solubility (in Water): | soluble |
| 9.1.14 | Partition coefficient, n-Octanol / Water: | n.av. |
| 9.1.15 | Viscosity: | n.av. |
| 9.1.16 | Solvent content (m %): | Not relevant |
| 9.1.17 | Thermal decomposition (°C): | n.av. |
| 9.1.18 | Evaporation rate: | n.av. |
| 9.2 | Other information | |
| | n.av. | |

SECTION 10: Stability and reactivity

| | |
|------|--|
| 10.1 | Reactivity None. |
| 10.2 | Chemical stability Stable under recommended storage conditions. |
| 10.3 | Possibility of hazardous reactions Decomposes in contact with water, acids. 10.4 |
| | Conditions to avoid Heat, flames and sparks. Never allow product to get in contact with water during storage. |
| 10.5 | Incompatible materials Incompatible with acids, humid air and water. |
| 10.6 | Hazardous decomposition products Decomposes slowly on exposure to water. Decomposes by reaction with strong acids. Hazardous decomposition products: oxygen, carbon oxides. |

SECTION 11: Toxicological information

| | |
|------|--|
| 11.1 | Information on toxicological effects Acute Health Effects: |
| | Inhalation: n.av. |
| | Ingestion: ATE-mix (calculated): 2660 mg / kg |
| | Skin Contact: n.av. |
| | Skin corrosion / irritation: Causes skin irritation. |
| | Serious eye damage / irritation: Causes serious eye irritation. |
| | Respiratory or skin sensitisation: No. |
| | Germ cell mutagenicity: n.av. |
| | Carcinogenicity: n.av. |
| | Reproductive toxicity: n.av. |
| | STOT-single exposure: n. av. |
| | STOT-repeated exposure: n. av. |
| | Aspiration hazard: n. av. |

Solute Cleaning Powder

11.1.1 – **Practical Experience**

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

None.

Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information12.1 **Toxicity**

We have no quantitative data concerning the ecological effects of this product.

12.2 **Persistence and degradability**

No data is available on the product itself.

Solutions with high pH-value must be neutralized before discharge.

12.3 **Bioaccumulative potential**

n.av.

12.4 **Mobility in soil**

n.av.

12.5 **Results of PBT and vPvB assessment**

n.av.

12.6 **Other adverse effects**

12.6.1 COD-Value, mg/g:

n.av.

12.6.2 BOD5-Value, mg/g:

n.av.

12.6.3 AOX-Remarks:

Not applicable.

12.6.4 Significant Components:

Not relevant

12.6.5 Other adverse effects:

Not applicable.

SECTION 13: Disposal considerations13.1 **Waste treatment methods**

13.1.1 Recommendation: D 10 / R 4

Waste - Code - No.: 20 01 29

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 **Contaminated Packaging**

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.

13.2.2 Safe Handling: As described under Residues.

Solute Cleaning Powder

SECTION 14: Transport information**ADR**

Not a dangerous substance as defined in the above regulations.

IMDG

Not a dangerous substance as defined in the above regulations.

IATA

Not a dangerous substance as defined in the above regulations.

14.1 **UN number**

14.2

UN proper shipping name

14.3

Transport hazard class(es)

14.4

Packing group

14.5

Environmental hazards14.6 **Special precautions for user**

Transport category:
 Classification Code:
 Hazard - No.:
 LQ:

Packing Instructions
 (Passenger)

Packing Instructions
 (Cargo)

14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information**

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
 n.av.

15.2 **Chemical safety assessment :**
 A chemical safety assessment has not been carried out.

SECTION 16: Other information

Text of H phases mentioned in Section 3 H271: May cause fire or explosion; strong oxidiser.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.



This datasheet has been compiled in accordance with EU regulation 453/2011.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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