


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

- 1.1 **Product name Product** : Solute Grinder Cleaner
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 27, 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 Dam. 1 H 318
Classification and labelling according to Directive 1999/45/EC:
 Irritant R 36
- 2.2 **Label elements** Hazard pictogram(s):
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Danger
 Component(s): contains
 Disodium carbonate, compound with hydrogen peroxide (2:3)
 Glycol ether (polymer)
- 
- H - Phrases:**
 H318: Causes serious eye damage.
- P - Phrases:**
 P102: Keep out of reach of children.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P232: Protect from moisture.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 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.
 This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients3.1 **Substances****Dangerous Ingredients:**3.2 **Mixtures****Chemical Characterisation:**

Mixture

Dangerous Ingredients:

CAS - No.	Index - No.	EC - No.	Material	m% - range	Symbol	R / H - phrases
15630-89-4	n.ap.	239-707-6	Disodium carbonate, compound with hydrogen peroxide (2:3) REACH_01-2119457268-30-xxxx	1 - 3%	Xn, O GHS03 GHS05	R 8-22-41 H271 H302 H318
112-34-5	603-096-00-8	203-961-6	2-(2-Butoxyethoxy)ethanol REACH_01-2119475104-44-xxxx	1 - 5%	Xi GHS07	R 36 H319
n.av.	n.av.	n.av.	Quaternary ammonium compound	1 - 5%	Xi GHS07	R 36 H319
n.av.	n.av.	n.av.	Glycoether	1 - 5%	Xn GHS07 GHS05	R 22-41 H302 H318

Text of R-/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 warm water.

If symptoms persist, 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:**

Do not induce vomiting. Clean mouth with water and afterwards drink plenty of water.

Call a physician immediately.

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

None known.

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

Treat symptomatically.

SECTION 5: Firefighting measures5.1 **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, nitrogen oxides (NO_x), carbon oxides.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:**

Knock down dust with water spray jet. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

- 6.1 **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 empty into drains.
Local authorities should be advised if significant spillages cannot be contained.
- 6.3 **Methods and material for containment and cleaning up**
Use mechanical handling equipment. Avoid dust formation.
Sweep up and shovel into suitable containers for disposal.
- 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:**
Do not breathe dust. 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.
- 7.1.2 **Precautions in Case of Fire and Explosion:**
Normal measures for preventive fire protection.
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**
Keep container tightly closed in a dry and well-ventilated place.
Never allow product to get in contact with water during storage.
- 7.2.2 **Store away from:**
Do not store together with strong acids.
- 7.2.3 **Further Information on Storage Conditions:**
Ensure adequate ventilation.
- 7.3 **Specific end use(s)**
n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**
- | Material | Limit Value |
|---------------------------|--|
| 2-(2-Butoxyethoxy)ethanol | 10 ppm 67 mg/m ³ , TWA: 10 ppm 67,5 mg/m ³ |
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
Provide for appropriate exhaust ventilation and dust collection at machinery.
- 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 (nitrile rubber, break through time > 8h)
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.
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:** Long sleeved clothing
- 8.2.2e **Further Information:** Observe wearing time limits: Not relevant
- 8.2.3 **Environmental exposure controls:**
n.av.

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SECTION 9: Physical and chemical properties9.1 **Information on basic physical and chemical properties**

9.1.1 **Form:** granular **Colour:** white - light brown - light yellow **Odour:** characteristic

Odour threshold: n.av.

9.1.2 pH-value, undiluted: n.ap., pH-value, 1% aqueous solution: n.av.
 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): n.ap.
 9.1.6 Ignition temperature (°C): n.ap.
 9.1.7 Autoflammability (EEC A16): n.ap.
 9.1.8 Oxidising properties: No.
 9.1.9 Explosion hazard: n.ap.
 9.1.10 Explosion limits (Vol.%) lower: n.ap., upper: n.ap.
 9.1.11 Vapour pressure: / Vapour density (Air = 1): n.ap. / n.av.
 9.1.12 Density (g/ml): n.av.
 9.1.13 Solubility (in Water): insoluble
 9.1.14 Partition coefficient, n-Octanol / Water: n.ap.
 9.1.15 Viscosity: n.av.
 9.1.16 Solvent content (m %): n.ap.
 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 normal conditions.
 10.3 **Possibility of hazardous reactions**
 No dangerous reaction known under conditions of normal use.
 10.4 **Conditions to avoid**
 No conditions to be specially mentioned.
 10.5 **Incompatible materials**
 Incompatible with acids.
 10.6 **Hazardous decomposition products**
 No decomposition if stored and applied as directed.
 To avoid thermal decomposition, do not overheat.

SECTION 11: Toxicological information11.1 **Information on toxicological effects**11.1.1 **Substances**11.1.2 **Mixtures**

Acute Toxicity:
 Inhalation: n.av.
 Ingestion: ATE-mix (calculated): > 5000 mg / L
 Skin Contact: n.av.
 Irritation / corrosion (to skin / eye): Causes serious eye damage.
 Sensitisation: n.av.
 Carcinogenicity: n.av.
 Mutagenicity: n.av.
 Teratogenicity: n.av.
 Narcotic Effects: None.

11.1.3 – **Practical Experience**

11.1.12 n.av.

11.1.13 **Practical Experience**

Observations relevant for classification: None.

Further Observations: None.

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

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SECTION 12: Ecological information

- 12.1 **Toxicity**
We have no quantitative data concerning the ecological effects of this product. Ecological injuries are not known or expected under normal use.
- 12.2 **Persistence and degradability**
No data is available on the product itself.
- 12.3 **Bioaccumulative potential**
n.av.
- 12.4 **Mobility in soil**
n.av.
- 12.5 **Results of PBT and vPvB assessment**
This mixture contains no substances which are assessed to be PBT or vPvB.
- 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: None.
- 12.6.5 Other adverse effects: Not applicable.

SECTION 13: Disposal considerations

- 13.1 **Waste treatment methods**
- 13.1.1 Recommendation: R5
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.

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 hazards		
14.6	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		

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Switzerland VOC content: < 6,5%

15.2 Chemical safety assessment :

A chemical safety assessment has not been carried out.

SECTION 16: Other information

Text of R / H phrases mentioned in Section 3

R 22: Harmful if swallowed.

R 36: Irritating to eyes.

R 41: Risk of serious damage to eyes.

R 8: Contact with combustible material may cause fire.



H271: May cause fire or explosion; strong oxidiser.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

This datasheet has been compiled in accordance with EU regulation 453/201.

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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