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

### 1.1. Product identifier

Contopp - ULTIMATE 4

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of the substance/mixture**

Building and construction work.
Building and construction preparations not covered elsewhere.

### 1.3. Details of the supplier of the safety data sheet


| | | | |
|---|---|---|---|
| Company name: | KNOPP GmbH | | |
| Street: | Adolf - Oesterheld - Straße 1 | | |
| Place: | D-97337 DETTELBACH | | |
| Post-office box: | 1180<br>D-97337 DETTELBACH | | |
| Telephone: | +49(0)932491990 | Telefax: | +49(0)9324919966 |
| E-mail: | info@knopp-chemie.com | | |
| Contact person: | Wolfgang Schnabel | | |
| Internet: | www.knopp-chemie.com | | |


## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

### 2.2. Label elements

**GB CLP Regulation**

**Precautionary statements**

P270 Do not eat, drink or smoke when using this product.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Further Information**

The substance does not need registration in accordance with REACH, Annex IV and V.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.
If unconscious but breathing normally, place in recovery position and seek medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.
In case of irregular breathing or respiratory arrest provide artificial respiration.

**After contact with skin**

Change contaminated clothing.
Wash with plenty of water/.?.
Do not wash with: Solvent/Thinner.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious).
Call a physician immediately.
Put victim at rest, cover with a blanket and keep warm.
Do NOT induce vomiting.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**

alcohol resistant foam. Carbon dioxide. Powder. Water fog.

**Unsuitable extinguishing media**

High power water jet.

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

Burning produces heavy smoke.
Danger of serious damage to health by prolonged exposure.
Use appropriate respiratory protection.

**5.3. Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers.
Do not allow water used to extinguish fire to enter drains or waterways.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid breathing dust/fume/gas/mist/vapours/spray.
See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed containers for disposal.
Clean with detergents. Avoid solvent cleaners.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

**Advice on safe handling**

Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. When using do not eat, drink or smoke. Wear personal protection equipment.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

**7.2. Conditions for safe storage, including any incompatibilities**

**Hints on joint storage**

Do not store together with: Oxidizing agents. Strong acid, strong alkalis

**Further information on storage conditions**

storage temperature: +5 - +30 °C
Keep container tightly closed and in a well-ventilated place. Keep container dry.
When using do not smoke.
Access is only to be granted to authorised personal.
Always close containers tightly after the removal of product.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Exposure limits (EH40)**

| CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
|---|---|---|---|---|---|---|
| 107-21-1 | Ethane-1,2-diol, vapour | 20 | 52 | | TWA (8 h) | WEL |
| | | 40 | 104 | | STEL (15 min) | WEL |

**8.2. Exposure controls**

**Appropriate engineering controls**

Provide adequate ventilation.
If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

Suitable material:
In case of prolonged or frequently repeated skin contact: NBR (Nitrile rubber).
penetration time (maximum wearing period): 0,5 h

See information supplied by the manufacturer.

Protective gloves have to be replaced at the first sign of deterioration.
Protect skin by using skin protective cream.

**Skin protection**

not applicable

**Respiratory protection**

not applicable

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state: | liquid | |
| Colour: | green - brown | |
| Odour: | fruity | |
| | | **Test method** |
| pH-Value (at 20 °C): | 6,2 | |
| **Changes in the physical state** | | |
| Melting point/freezing point: | 0 °C | |
| Boiling point or initial boiling point and boiling range: | 100 °C | |
| Softening point: | | ISO 5940 |
| Flash point: | | DIN 53213 |
| **Flammability** | | |
| Solid: | not applicable | |
| **Explosive properties** | | |
| not relevant | | |
| Lower explosion limits: | | |
| Upper explosion limits: | | |
| Auto-ignition temperature: | not applicable | DIN 51794 |
| **Self-ignition temperature** | | |
| Solid: | not relevant | |
| Gas: | not relevant | |
| **Oxidizing properties** | | |
| Not oxidizing. | | |
| Density (at 20 °C): | 1,06 g/cm³ | DIN 53217 |
| Bulk density: | not applicable | |
| Water solubility: | completely miscible | |
| Flow time: (at 23 °C) | 40 | 4 DIN 53211 |

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when handling and storage.

### 10.2. Chemical stability

No decomposition if stored and handled correctly.

### 10.3. Possibility of hazardous reactions

Exothermic reactions with: Oxidizing agents. Strong acid, strong alkalis

### 10.4. Conditions to avoid

In case of warming: Thermal decomposition.

### 10.6. Hazardous decomposition products

Carbon monoxide Carbon dioxide. Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity**

Acute toxicity, oral
LD50: > 2000 mg/kg
OECD 401
species: Rat.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

**Irritation and corrosivity**

Irritant effect on the eye: Not an irritant.
species: Rabbit.
Method: OECD 405

**Sensitising effects**

species: Guinea-pig.
Method: OECD 406.
Evaluation: no danger of sensitization.

**Further information**

There are no data available on the preparation/mixture itself.
The preparation is not dangerous in the sense of Directive 1999/45/EC.
Data apply to technical substance.

## SECTION 12: Ecological information

**12.1. Toxicity**

Aquatic toxicity
EC50:
Exposure time: 48 h
species: Pseudomonas putida
> 10000 mg/kg

EC50:
Exposure time: 48 h
species: Daphnia magna
> 200 mg/l

LC50:
Exposure time: 96 h
species: Danio rerio (zebrafish)
> 1000 mg/l

**12.2. Persistence and degradability**

> 70 %
OECD 302B / ISO 9888 / EEC 88/302 annex V, C.9

**12.3. Bioaccumulative potential**

No information available.

**Further information**

There are no data available on the preparation/mixture itself.
Do not allow to enter into surface water or drains.
The information about ecology refers to the active component.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Disposal recommendations**

Do not allow to enter into surface water or drains.
Remove according to the regulations.

**Contaminated packaging**

Completely emptied packages can be recycled.
Remove according to the regulations.

## SECTION 14: Transport information

**Land transport (ADR/RID)**

| | |
|---|---|
| **14.1. UN number:** | - |
| **14.2. UN proper shipping name:** | - |
| **14.3. Transport hazard class(es):** | - |
| **14.4. Packing group:** | - |

**Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

**Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## SECTION 15: Regulatory information

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

**National regulatory information**

## SECTION 16: Other information

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*