

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

- **Product identifier:**
- **Trade name:** ThermoBlue
- **Article number:** 119.079-105.347-106.802
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product category:** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the preparation:** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet:**
- **Manufacturer/Supplier:**  
Schulz & Sohn GmbH  
Chemie-Erzeugnisse  
Hoeheweg 327  
D-40231 Duesseldorf  
sida@schulzchemie.com
- Distributet by:  
Thermoplan AG  
Thermoplan-Platz 1  
CH-6353 Weggis  
Tel.: +41 41 3921200  
thermoplan@thermoplan.ch
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**  
Toxin emergency call (24 hours):  
Phone: +44 (0) 845 4647

## 2 Hazards identification

- **Classification of the substance or mixture:**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements:**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**  
Causes skin irritation.  
Causes serious eye irritation.
- **Precautionary statements**  
Keep out of reach of children.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF ON SKIN: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **Other hazards:**
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable

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· **vPvB:** Not applicable

### 3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

164462-16-2	methylglycinediacetic acid, Na-salt ⚠ Met. Corr. 1, H290; Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	5-<15%
69227-22-1	fatty alcohol ethoxylate propoxylate ⚠ Eye Irrit. 2, H319	1-<5%
1312-76-1	potassium metasilicate ⚠ Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318	1-<5%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents:**

non-ionic surfactants, phosphonates, amphoteric surfactants	<5%
perfumes (BENZYL ALCOHOL)	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First aid measures

· **Description of first aid measures:**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Immediately rinse with water.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Rinse out mouth and then drink plenty of water.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

### 5 Firefighting measures

· **Extinguishing media:**

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Advice for firefighters:**

· **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:** Not required

· **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling:**
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store only in the original receptacle.  
Storage between 5 and 40°C.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Protect from heat and direct sunlight.  
Store in dry conditions.  
Protect from humidity and water.
- **Storage class:** 12
- **Specific end use(s):** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Control parameters:**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves!

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**  
Recommendation:  
uvex u-chem 3000 (DIN EN 374)  
Material: Nitrile rubber, NBR  
Thickness of the material: 0,5 mm  
Value for the permeation: > 480 min (Level 6)  
Recommendation:  
uvex u-fit strong N2000 (DIN EN 374)  
Material: Nitrile rubber, NBR  
Thickness of the material: 0,2 mm  
Value for the permeation: > 480 min (Level 6)
- **Penetration time of glove material:**  
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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· **Eye protection:** Goggles recommended during refilling

## 9 Physical and chemical properties

· <b>Information on basic physical and chemical properties:</b>	
· <b>General Information:</b>	
· <b>Appearance:</b>	
Form:	Fluid
Colour:	Blue
· Odour:	Characteristic
· Odour threshold:	Not determined
· pH-value at 20 °C:	12.4
· <b>Change in condition:</b>	
Melting point/freezing point:	Undetermined
Initial boiling point and boiling range:	>100 °C
· Flash point:	Not applicable
· Flammability	Not applicable
· Decomposition temperature:	Not determined
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined
Upper:	Not determined
· Vapour pressure:	Not determined
· Density at 20 °C:	1,110 g/cm <sup>3</sup>
· Relative density:	Not determined
· Vapour density:	Not determined
· Evaporation rate:	Not determined
· Solubility in / Miscibility with: water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined
· <b>Viscosity:</b>	
Dynamic:	Not determined
Kinematic:	Not determined
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Water:	79.3 %
Solids content:	6.8 %
· Other information:	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects:**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritating to skin

## 12 Ecological information

- **Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 Transport information

· <b>UN-Number</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>  · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	Not applicable

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· <b>Special precautions for user</b>	Not applicable
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable
· <b>UN "Model Regulation":</b>	Void

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment::** A Chemical Safety Assessment has not been carried out.

## 16 Other information

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

- **Relevant phrases:**
  - H290 May be corrosive to metals.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
- **Department issuing SDS:** HSE department
- **Contact:** HSE Department
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Met. Corr. 1: Corrosive to metals – Category 1
  - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A