


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

- **1.1 Product identifier**
- **Trade name: SurTec 061**
- **Article number:** S06259, S06846, S07001
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Degreasing agent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SurTec Deutschland GmbH  
SurTec-Str. 2  
D-64673 Zwingenberg  
Tel.: +49-(0)6251-171-700  
Fax: +49-(0)6251-171-800  
e-mail: mail@surtec.com  
internet: www.surtec.com  
EHS@surtec.com
- Competent person acc. to Regulation (EC) No. 1907/2006:
- **Further information obtainable from:**  
Technical center  
Tel.: +49-6251-171-744, Fax: +49-6251-171-844
- **1.4 Emergency telephone number:**  
Between the usual hours of business:  
Monday - Thursday, between 8.00 - 12.00 o'clock  
and between 13.00 - 16.00 o'clock  
Friday, between 8.00 - 12.00 o'clock  
Tel.: +49-6251-171-700

\* **SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**  
  
GHS07
- **Signal word** Warning
- **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 03.03.2016

Version number 2

Revision: 08.10.2015

**Trade name: SurTec 061**

(Contd. of page 1)

### SECTION 3: Composition/information on ingredients

#### · 3.2 Chemical characterisation: Mixtures

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

#### · **Dangerous components:**

CAS: 7320-34-5	tetrapotassium pyrophosphate	3-7%
EINECS: 230-785-7	Eye Irrit. 2, H319	
Reg.nr.: 01-2119489369-18-XXXX		

CAS: 1310-58-3	potassium hydroxide	1<3%
EINECS: 215-181-3	Skin Corr. 1A, H314; Acute Tox. 4, H302	
Index number: 019-002-00-8		
Reg.nr.: 01-2119487136-33-XXXX		

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

phosphates	5 - 15%
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· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

· **General information:** Immediately remove any clothing soiled by the product.

#### · **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

#### · **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

#### · **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### · **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

#### · **Information for doctor:**

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

#### · **Suitable extinguishing agents:**

The product is not flammable.

Use fire extinguishing methods suitable to surrounding conditions.

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

After evaporation of water (in case of a mass fire for example) the following substances may be formed, if heating goes on:

Carbon dioxide (CO<sub>2</sub>)

Incomplete combustion may cause Carbon monoxide, toxic fumes and smouldering gases.

Phosphorus oxides

#### · **5.3 Advice for firefighters**

#### · **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

#### · **Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

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Version number 2

Revision: 08.10.2015

**Trade name: SurTec 061**

(Contd. of page 2)

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

**· 6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

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

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

Dispose contaminated material as waste according to item 13.

For large amounts: Pump off product.

**· 6.4 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.

**SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**

Open and handle receptacle with care.

Prevent formation of aerosols.

**· Information about fire - and explosion protection:** The product is not flammable.**· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.**· Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with acids.

**· Further information about storage conditions:**

Protect from frost.

The shelf life stated on the label is subject to correct storage of the product.

**· Recommended storage temperature:** Not store under 0 °C - very sensitive to freeze**· 7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection****· Additional information about design of technical facilities:** No further data; see item 7.**· 8.1 Control parameters****· Ingredients with limit values that require monitoring at the workplace:****1310-58-3 potassium hydroxide (1<3%)**WEL (Great Britain) Short-term value: 2 mg/m<sup>3</sup>**· DNELs****7320-34-5 tetrapotassium pyrophosphate**Inhalative DNEL 2.79 mg/m<sup>3</sup> (worker long-term)0.68 mg/m<sup>3</sup> (general population long-term)**1310-58-3 potassium hydroxide**Inhalative DNEL 1 mg/m<sup>3</sup> (worker long-term)1 mg/m<sup>3</sup> (general population long-term)**· PNECs****7320-34-5 tetrapotassium pyrophosphate**

PNEC 50 mg/l (sewage treatment plant)

(Contd. on page 4)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 03.03.2016

Version number 2

Revision: 08.10.2015

**Trade name: SurTec 061**

(Contd. of page 3)

0.005 mg/l (water (marine water))

0.05 mg/l (water (freshwater))

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

- **Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

- **Recommended filter device for short term use:** filter FFP2

- **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

PVC or PE gloves

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses

- **Body protection:**

Choose personal protective equipment according to activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Fluid

**Colour:** Colourless

Clear

- **Odour:** Odourless

- **pH-value at 20 °C:** 9.1

- **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not applicable.

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Vapour pressure at 20 °C:** 23 hPa

- **Density at 20 °C:** 1.302 g/cm<sup>3</sup>

- **Solubility in / Miscibility with water:** Fully miscible.

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 03.03.2016

Version number 2

Revision: 08.10.2015

Trade name: SurTec 061

(Contd. of page 4)

- **Viscosity:** fluid, watery
- **Solvent content:**
  - Organic solvents:** 0.0 %
  - VOC (EC)** 0.00 %
- **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with acids.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Acids
- **10.6 Hazardous decomposition products:**  
Concerning decomposition products in the event of fire, see Chapter 5.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values relevant for classification:**
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- 7320-34-5 tetrapotassium pyrophosphate**  
 Oral LD 50 >2000 mg/kg (mouse)  
 Dermal LD 50 > 7940 mg/kg (rabbit)
- 1310-58-3 potassium hydroxide**  
 Oral LD 50 250 mg/kg (rat)
- **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes skin irritation.
  - **Serious eye damage/irritation**  
Causes serious eye irritation.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:**
- 
- 7320-34-5 tetrapotassium pyrophosphate**  
 LC 50 (48h) > 100 mg/l (Daphnia magna) (OECD 202)  
 LC 50 (96h) > 100 mg/l (Oncorhynchus mykiss)
- 1310-58-3 potassium hydroxide**  
 EC 50 (0,25h) 22 mg/l (Photobacterium phosphoreum)  
 LC 50 (24h) 80 mg/l (Fisch)  
                   165 mg/l (Poecilia reticulata)  
 LC 50 (96h) 10-100 mg/l (Daphnia magna)  
                   80 mg/l (Gambusia affinis)

(Contd. on page 6)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 03.03.2016

Version number 2

Revision: 08.10.2015

**Trade name: SurTec 061**

(Contd. of page 5)

- **12.2 Persistence and degradability** The organic portion of the product is biodegradable.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 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 product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation**  
Must be specially treated adhering to official regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
  - **Waste disposal key:**  
The mentioned waste codes are recommendations based on the product application as suggested by the manufacturer. Special applications and special disposal conditions at the applicer's place may however require another waste code.
  - **European waste catalogue**
- 
- 11 01 11\* aqueous rinsing liquids containing dangerous substances  
12 03 01\* aqueous washing liquids  
16 03 03\* inorganic wastes containing dangerous substances
- **Uncleaned packaging:**
  - **Recommendation:**  
Disposal must be made according to official regulations.  
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
  - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

(Contd. on page 7)

# Safety data sheet

## according to 1907/2006/EC, Article 31

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(Contd. of page 6)

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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**  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H319 Causes serious eye irritation.
- **Department issuing MSDS:** Product Safety Department
- **Contact:**  
Mr. Dr. B. Höferth, Tel.: +49-6251-171-754  
Mrs. Dipl. Ing. S. Brechenser, Tel.: +49-6251-171-758
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport 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  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
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)  
VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- **\* Data compared to the previous version altered.**

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