

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

• **1.1 Product identifier**

• **Trade name: SurTec 089**

• **Article number:** S02396, S05608, S04717, S05204

• **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** Cleaning material/ Detergent

• **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**

Eye Dam. 1 H318 Causes serious eye damage.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Acute Tox. 4 H302 Harmful if swallowed.

• **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Harmful

R22: Harmful if swallowed.

Xi; Irritant

R41: Risk of serious damage to eyes.

N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

• **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

• **2.2 Label elements**

• **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

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- **Hazard pictograms**



GHS05 GHS07 GHS09

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Alcohols, C9-11-iso-, C10-rich, ethoxylated
 Amines, coco alkyl, ethoxylated
 Fatty alcohol ethoxylated
 Fatty alcohol ethoxylated

- **Hazard statements**

H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P273 Avoid release to the environment.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 Get medical advice/attention if you feel unwell.
 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.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**

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

- **Dangerous components:**

CAS: 78330-20-8 Alcohols, C9-11-iso-, C10-rich, ethoxylated	25-50%
Xn R22; Xi R41	
Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 61791-14-8 Amines, coco alkyl, ethoxylated	25-50%
Xn R22; Xi R36; N R51/53	
Aquatic Chronic 2, H411; Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 61827-42-7 Fatty alcohol ethoxylated	10-25%
Polymer	
Xn R22; Xi R41	
Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 61827-42-7 Fatty alcohol ethoxylated	3-7%
Polymer	
Xi R41	
Eye Dam. 1, H318	

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

non-ionic surfactants ≥ 30%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

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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.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **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:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Nitrogen oxides (NO_x)
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
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.
Use respiratory protective device against the effects of fumes/dust/aerosol.
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.
Clean the affected area carefully; suitable cleaners are:
Warm water and cleansing agent
- **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.

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SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Provide floor trough without outlet.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
The shelf life stated on the label is subject to correct storage of the product.
- **Recommended storage temperature:** Not store under -12 °C - less 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:**
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.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Use skin protection cream for skin protection.
- **Respiratory protection:**
Use suitable respiratory protective device only when aerosol or mist is formed.
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.
- **Recommended filter device for short term use:** Filter P3
- **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**
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.
Chloroprene rubber, CR
Nitrile rubber, NBR
Natural rubber, NR
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- **Eye protection:** Safety glasses

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Light yellow Clear

- **Odour:** Characteristic

- **pH-value:** 9,8 (20g/l)

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: > 100 °C

- **Flash point:** > 100 °C

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

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

- **Density at 20 °C:** 1.03 g/cm³

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

- **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**

- **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**

No dangerous reactions if handled and stored according to regulations and instructions.

- **10.4 Conditions to avoid** No further relevant information available.

- **10.5 Incompatible materials:** No further relevant information available.

- **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:**

- **LD/LC50 values relevant for classification:**

78330-20-8 Alcohols, C9-11-iso-, C10-rich, ethoxylated

Oral LD 50 500-2000 mg/kg (rat)

61791-14-8 Amines, coco alkyl, ethoxylated

Oral LD 50 >300-≤2000 mg/kg (rat)

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61827-42-7 Fatty alcohol ethoxylated

Oral LD 50 500-2000 mg/kg (rat)

61827-42-7 Fatty alcohol ethoxylated

Oral LD 50 > 2000 mg/kg (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.

- **on the eye:** Strong irritant with the danger of severe eye injury.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

78330-20-8 Alcohols, C9-11-iso-, C10-rich, ethoxylated

EC 10 (17h) 48 mg/l (Belebtschlamm) (DIN 38412 Teil 8)

EC 50 (48h) 10-100 mg/l (aquatische Invertebraten)

EC 50 (96h) 10-100 mg/l (Was) (DIN 38412 Teil 9)

LC 50 (96h) 10-100 mg/l (Leuciscus idus)

NOEC (21d) 12.5 mg/l (Daphnia magna) (OECD 202, Teil 2)

61827-42-7 Fatty alcohol ethoxylated

LC 50 (96h) > 100 mg/l (Leuciscus idus)

61827-42-7 Fatty alcohol ethoxylated

LC 50 (96h) 1-10 mg/l (Leuciscus idus)

- **12.2 Persistence and degradability** No further relevant information available.

- **Biodegradability**

78330-20-8 Alcohols, C9-11-iso-, C10-rich, ethoxylated

Biolog. Abbaubarkeit > 60 % (OECD 301 B) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C)

≥90 % (OECD 301 E)

61827-42-7 Fatty alcohol ethoxylated

Biolog. Abbaubarkeit > 60 % (OECD 301 B)

> 90 % (OECD 303 A)

61827-42-7 Fatty alcohol ethoxylated

Biolog. Abbaubarkeit > 60 % (OECD 301 B)

> 90 % (OECD 301 E)

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **AOX-indication:** The product does not contain organically bonded halogen compounds.

- **General notes:**

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The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- **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 applier's place may however require another waste code.

- **Uncleaned packaging:**

- **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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, IMDG, IATA**

UN3082

- **14.2 UN proper shipping name**

- **ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amines, coco alkyl, ethoxylated)

- **IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amines, coco alkyl, ethoxylated), MARINE POLLUTANT

- **IATA**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amines, coco alkyl, ethoxylated)

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

- **ADR**



- **Class**

9 (M6) Miscellaneous dangerous substances and articles.

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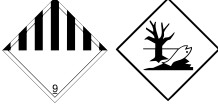
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<ul style="list-style-type: none"> · Class · Label · 14.4 Packing group · ADR, IMDG, IATA · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA): · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code · Transport/Additional information: 	<p>9 Miscellaneous dangerous substances and articles.</p> <p>9</p> <p>III</p> <p>Product contains environmentally hazardous substances: Amines, coco alkyl, ethoxylated</p> <p>Yes</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p> <p>Warning: Miscellaneous dangerous substances and articles.</p> <p>90</p> <p>F-A,S-F</p> <p>Not applicable.</p>
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<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code · UN "Model Regulation": 	<p>5L</p> <p>3</p> <p>E</p> <p>UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Amines, coco alkyl, ethoxylated), 9, III</p>

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.
Employment restrictions concerning pregnant and lactating women must be observed.
- **Other regulations, limitations and prohibitive regulations**
The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
- **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.

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H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

R22 Harmful if swallowed.

R36 Irritating to eyes.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• **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 Harmonized 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

• *** Data compared to the previous version altered.**

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