

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## SURFACE SMART

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

EuPCS: PC-CLN-2 All-purpose (or multi-purpose) non-abrasive cleaners

Process categories [PROC]: 8,10

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

Company name: BUZIL-WERK Wagner GmbH & Co. KG

Street: Fraunhofer Str. 17

Place: D-87700 Memmingen

Telephone: +49 (0) 8331 930-6

Telefax: +49 (0) 8331 930-880

e-mail: info@buzil.de

Contact person: info@buzil.de

Internet: www.buzil.com

**1.4. Emergency telephone number:** +49 (0) 8331 930-6 (08:00 - 16:00 h)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

The product does not support combustion. It therefore needs not to be classified as flammable despite a flash point below 60 °C.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

##### Special labelling of certain mixtures

EUH208 Contains Methylchloroisothiazolinone, Methylisothiazolinon. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

| CAS No  | Chemical name                         | Quantity   |
|---------|---------------------------------------|------------|
|         | EC No                                 |            |
|         | Index No                              |            |
|         | REACH No                              |            |
|         | GHS Classification                    |            |
| 64-17-5 | ethanol                               | 5 - < 10 % |
|         | 200-578-6                             |            |
|         | 603-002-00-5                          |            |
|         | 01-2119457610-43                      |            |
|         | Flam. Liq. 2, Eye Irrit. 2; H225 H319 |            |

Full text of H and EUH statements: see section 16.

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### Specific Conc. Limits, M-factors and ATE

| CAS No  | EC No     | Chemical name  | Quantity   |
|---------|-----------|--|------------|
|         |           | Specific Conc. Limits, M-factors and ATE   |            |
| 64-17-5 | 200-578-6 | ethanol  | 5 - < 10 % |
|         |           | inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg<br>Eye Irrit. 2; H319: >= 50 - 100 |            |

### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, perfumes (Linalool), preservation agents (Methylchloroisothiazolinone/methylisothiazolinone).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.  
Take off contaminated clothing and wash it before reuse.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink plenty of water.  
Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray jet  
alcohol resistant foam  
Carbon dioxide  
Extinguishing powder

#### Unsuitable extinguishing media

Full water jet

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

Hazardous combustion products:  
Carbon dioxide  
Carbon monoxide

### 5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### General measures

Use personal protection equipment.

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Avoid contact with skin, eyes and clothes.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

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

#### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin, eyes and clothes.

Do not mix with other chemicals.

Use personal protection equipment.

When using do not eat, drink or smoke.

Do not breathe gas/fumes/vapour/spray.

Use only in well-ventilated areas.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary.

### 7.3. Specific end use(s)

There are no data available on the mixture itself.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

| CAS No  | Substance | ppm  | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|---------|-----------|------|-------------------|-----------|-----------|--------|
| 64-17-5 | Ethanol   | 1000 | 1920              |           | TWA (8 h) | WEL    |

### 8.2. Exposure controls

#### Protective and hygiene measures

Take off contaminated clothing.

Wash hands before breaks and after work.

When using do not eat, drink or smoke.

#### Eye/face protection

Eye protection: not required.

#### Hand protection

Wear suitable gloves. (EN 374, Breakthrough time: >10 min.)

Suitable material: NBR (Nitrile rubber).

Thickness of the glove material  $\geq$  0,1 mm

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A survey of suitable brands with detailed information on breakthrough times is available upon request.

Diluted ready-to-use solutions  $\leq 1\%$ :

Protective gloves may be waived, if equivalent measures allowing for an increased skin stress because of wet work are implemented (e. g. application of suitable skin protecting creams).

### Skin protection

Wear suitable work clothing.

### Respiratory protection

Use only in well-ventilated areas.

In case of inadequate ventilation wear respiratory protection. (EN 14387, A1)

## SECTION 9: Physical and chemical properties

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

|                 |                      |
|-----------------|----------------------|
| Physical state: | Liquid               |
| Colour:         | blue                 |
| Odour:          | Perfumes, fragrances |

#### Test method

|                      |           |
|----------------------|-----------|
| pH-Value (at 20 °C): | 6,0 - 7,0 |
|----------------------|-----------|

### Changes in the physical state

|                |              |
|----------------|--------------|
| Melting point: | approx. 0 °C |
|----------------|--------------|

|   |                |
|---|----------------|
| Boiling point or initial boiling point and boiling range: | approx. 100 °C |
|---|----------------|

|              |       |
|--------------|-------|
| Flash point: | 55 °C |
|--------------|-------|

|                        |                           |
|------------------------|---------------------------|
| Sustaining combustion: | Not sustaining combustion |
|------------------------|---------------------------|

### Flammability

|               |                |
|---------------|----------------|
| Solid/liquid: | not applicable |
|---------------|----------------|

|      |                |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

### Self-ignition temperature

|        |                |
|--------|----------------|
| Solid: | not applicable |
|--------|----------------|

|      |                |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

|                            |                |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

### Oxidizing properties

Not oxidising.

|                  |                |
|------------------|----------------|
| Vapour pressure: | not determined |
|------------------|----------------|

|                     |                        |
|---------------------|------------------------|
| Density (at 25 °C): | 0,99 g/cm <sup>3</sup> |
|---------------------|------------------------|

|                   |                     |
|-------------------|---------------------|
| Water solubility: | completely miscible |
|-------------------|---------------------|

### Solubility in other solvents

not determined

|  |                |
|--|----------------|
| Partition coefficient n-octanol/water: | not determined |
|--|----------------|

|                                    |                    |
|------------------------------------|--------------------|
| Viscosity / dynamic:<br>(at 25 °C) | <10 mPa·s (50 1/s) |
|------------------------------------|--------------------|

|                          |                |
|--------------------------|----------------|
| Relative vapour density: | not determined |
|--------------------------|----------------|

|                   |                |
|-------------------|----------------|
| Evaporation rate: | not determined |
|-------------------|----------------|

### 9.2. Other information

|                |                |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

The product is stable under storage at normal ambient temperatures.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No  | Chemical name     |                  |         |        |        |
|---------|-------------------|------------------|---------|--------|--------|
|         | Exposure route    | Dose             | Species | Source | Method |
| 64-17-5 | ethanol           |                  |         |        |        |
|         | oral              | LD50 >2000 mg/kg | Rat     | ATE    |        |
|         | dermal            | LD50 >2000 mg/kg | Rat     | ATE    |        |
|         | inhalation vapour | LC50 >20 mg/l    | Rat     | ATE    |        |

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

Contains Methylchloroisothiazolinone, Methylisothiazolinon. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

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| CAS No  | Chemical name            |                 |           |         |        |        |
|---------|--------------------------|-----------------|-----------|---------|--------|--------|
|         | Aquatic toxicity         | Dose            | [h]   [d] | Species | Source | Method |
| 64-17-5 | ethanol                  |                 |           |         |        |        |
|         | Acute fish toxicity      | LC50 >1000 mg/l | 96 h      |         |        |        |
|         | Acute algae toxicity     | ErC50 >100 mg/l |           |         |        |        |
|         | Acute crustacea toxicity | EC50 >1000 mg/l | 48 h      |         |        |        |

### 12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

| CAS No  | Chemical name                                       |       |    |        |  |
|---------|---|-------|----|--------|--|
|         | Method  | Value | d  | Source |  |
|         | Evaluation  |       |    |        |  |
| 64-17-5 | ethanol   |       |    |        |  |
|         | OECD 301  | >60%  | 28 |        |  |
|         | Readily biodegradable (according to OECD criteria). |       |    |        |  |

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Dispose of waste according to applicable legislation.  
Delivery to an approved waste disposal company.

#### List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

#### Contaminated packaging

Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### Land transport (ADR/RID)

14.1. UN number: No dangerous good in sense of these transport regulations.

### Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of these transport regulations.

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### Marine transport (IMDG)

**14.1. UN number:** No dangerous good in sense of these transport regulations.  
Marine pollutant: no

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

**14.1. UN number:** No dangerous good in sense of these transport regulations.

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

No special measures are necessary.

### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

## SECTION 15: Regulatory information

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

#### EU regulatory information

2010/75/EU (VOC): <30%

#### Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)

#### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,9,13,14,16.

### 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC 4: Chemical production where opportunity for exposure arises

PROC 7: Industrial spraying

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

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PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 13: Treatment of articles by dipping and pouring

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection

### Relevant H and EUH statements (number and full text)

|        |   |
|--------|---|
| H225   | Highly flammable liquid and vapour.   |
| H319   | Causes serious eye irritation.  |
| EUH208 | Contains Methylchloroisothiazolinone, Methylisothiazolinon. May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request.   |

### Further Information

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]: 9 (1)

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