

# SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Issued 2018-02-06  
Replaces issued SDS 2016-03-17  
Version number 2.0

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

### 1.1. Product identifier

Trade name SootOff

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

Identified uses Cleaner for the stove's glass doors

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

Company Palmetten AB  
Mariagatan 29  
SE-54234 Mariestad  
Sweden  
Telephone +46 171-921 30  
E-mail [info@palmetten.se](mailto:info@palmetten.se)

#### Original manufacturer of this product

Kombidelta AB, Teknikvägen 3, 245 34 Staffanstorps, Tel nr +46-46 4601110, E-mail: [info@kombidelta.se](mailto:info@kombidelta.se)

### 1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin Irritant (Category 2), H315

Irreversible Eye Effects (Category 1), H318

### 2.2. Label elements

Hazard pictogram



Signal word Danger

Hazard statements

H315

Causes skin irritation

H318

Causes serious eye damage

Precautionary statements

P102

Keep out of reach of children

P280

Wear protective gloves and eye protection

P302+P352

IF ON SKIN: Wash with plenty of soap and water

P305+P351+P338

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

P310

Immediately call a POISON CENTER or doctor/physician

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
<b>POTASSIUM HYDROXIDE</b>		
CAS No: 1310-58-3 EC No: 215-181-3 Index No: 019-002-00-8 REACH: 01-2119487136-33	Met Corr 1, Acute Tox 4 <i>oral</i> , Skin Corr 1A; H290, H302, H314	<2 %
<b>2-(2-ETHOXYETHOXY)ETHANOL</b>		
CAS No: 111-90-0 EC No: 203-919-7 REACH: 01-2119475105-42		1 - 5 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

Contents according to 648/2004.

<5% Amphoteric surfactants.

<5% Non-ionic surfactants.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures Generally

In case of concern, or if symptoms persist, call a doctor/physician.

Rinse nose and mouth if discomfort occurs.

#### Upon breathing in

Move casualty to fresh air and rinse nose, mouth and throat with water.

#### Upon eye contact

Remove solid particles.

Flush immediately with luke-warm water for 15 - 20 minutes with wide-open eyes. If symptoms persist, seek medical advice.

#### Upon skin contact

Remove contaminated clothes.

Flush with lots of water for at least 5 minutes.

If symptoms occur, contact a physician.

#### Upon ingestion

Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

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

#### Upon eye contact

Risk of permanent eye damage.

#### Upon skin contact

Skin irritation may occur.

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

When contacting a physician, take this SDS with you.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

All normal extinguishing agents may be used.

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

In case of fire, substances hazardous to health, or substances harmful in other respects, may be dispersed.

The product is not hazardous in the flammable sense.

### 5.3. Advice for fire-fighters

In case of fire use a respirator mask.

## SECTION 6: Accidental release measures

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

Use recommended safety equipment, see section 8.

Avoid inhalation and exposure to skin and eyes.

In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).

Note that there is a risk of slipping if product is leaking/spilling.

### 6.2. Environmental precautions

Avoid release of large quantities of undiluted product to drains.

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

Minor spillage should be wiped away or flushed away with water. Large quantities should be collected for incineration in accordance with the local regulations.

Residues left behind after cleaning shall be treated as hazardous waste. For further information, contact the local authority sanitisation works. Present this safety data sheet.

### 6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children and pets.

Handle in premises which have modern ventilation standards.

Avoid contact with skin and eyes.

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

Store only in the original package.

Store in a well-ventilated area, not above eye-level.

Do not store above normal room temperature.

The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to humans and animals and do not discharge the product in a sensitive environment.

### 7.3. Specific end uses

See identified uses in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National limit values

#### POTASSIUM HYDROXIDE

#### United Kingdoms (EH40/2005)

Short term exposure limit (STEL) 2 mg/m<sup>3</sup>

#### DNEL

#### POTASSIUM HYDROXIDE

	Type of exposure	Route of exposure	Value
Worker	Chronic Local	Inhalation	1 mg/m <sup>3</sup>
Consumer	Chronic Local	Inhalation	1 mg/m <sup>3</sup>

#### PNEC

No data available.

### 8.2. Exposure controls

In terms of minimizing risks, attention must be paid to the health hazards (see Sections 2, 3 and 10) of this product or any of its ingredients according to EU directives 89/391 and 98/24 and national occupational legislation.

#### 8.2.1. Appropriate engineering controls

Maintenance and service of personal protective equipment shall be included in the works plan for internal supervision. All inspections and remedial measures shall be documented.

Eye-rinsing facilities shall be available at the workplace.

#### **Eye/face protection**

Never use contact lenses when working with this substance.

Use protective glasses, safety goggles, or a visor.

#### **Skin protection**

Protect all exposed skin from coming into contact with the product.

Use suitable protective clothing.

Use protective gloves fulfilling the standard EN374 if there is a risk of direct contact.

#### **Respiratory protection**

Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.

#### **8.2.3. Environmental exposure controls**

For limitation of environmental exposure, see Section 12.

## **SECTION 9: Physical and chemical properties**

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

a) Appearance	Form: liquid. Colour: colourless.
b) Odour	weak smell
c) Odour threshold	Not indicated
d) pH	12 - 13
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	100 °C
g) Flash point	Not indicated
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	Not indicated
l) Vapour density	Not indicated
m) Relative density	1 kg/L
n) Solubility	Solubility in water: Unlimited solubility
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

### **9.2. Other information**

No data available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

The product contains no substances which can lead to hazardous reactions at normal use.

### **10.2. Chemical stability**

The product is stable at normal storage and handling conditions.

### **10.3. Possibility of hazardous reactions**

No hazardous reactions known.

### **10.4. Conditions to avoid**

No data available.

### **10.5. Incompatible materials**

Avoid contact with strong acids.

### **10.6. Hazardous decomposition products**

None known.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

The main risk with this product is its corrosive properties.

Ingestion causes pain, nausea and vomiting, which can cause burns to the esophagus.

**Acute toxicity**

The product is not classified as acute toxic.

**POTASSIUM HYDROXIDE**

LD50 rat 24h: 333 mg/kg Orally

**Skin corrosion/irritation**

May cause skin irritation.

**Serious eye damage/irritation**

Contact with the eyes may cause irreversible eye damage.

**Respiratory or skin sensitisation**

The product does not contain any known allergens.

**Germ cell mutagenicity**

No mutagenic effects have been reported for the substance in this mixture.

**Carcinogenicity**

No carcinogenic effects have been reported for the substances in this product.

**Reproductive toxicity**

No toxic effects to reproduction have been reported for the substances in this mixture.

**STOT-single exposure**

Inhalation of mist may cause irritation of the nose and throat. Coughing and breathing difficulties may also occur.

**STOT-repeated exposure**

No known hazards for repeated exposure.

**Aspiration hazard**

The product is not classified as being toxic for aspiration.

## SECTION 12: Ecological information

### 12.1. Toxicity

No ecological damage is known or expected in the event of normal use.

**POTASSIUM HYDROXIDE**

EC50 Freshwater water flea (*Daphnia magna*) 48 h: 40 - 240 mg/l

LC50 Fish 96h: 125 mg/l

LC50 mosquitofish (*Gambusia affinis*) 96h: 80 mg/kg

### 12.2. Persistence and degradability

The product degrades in the natural environment.

The surfactants used in this product comply with the criteria for biodegradability under Regulation 648/2004.

### 12.3. Bioaccumulative potential

No information exists on bioaccumulation, but there is no cause for concern in respect of this.

### 12.4. Mobility in soil

No information about mobility in the nature exists but there is no reason to suppose the product to be ecologically harmful because of this.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6. Other adverse effects

The product is alkaline and may elevate pH locally, if released into water.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste handling of the product**

Discarded products must be disposed of as hazardous waste in accordance with regulations.

See also national waste regulations.

**Classification according to 2006/12**

Recommended LoW-code: 20 01 29 detergents containing hazardous substances

## SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

### 14.1. UN number

Not classified as dangerous goods

**14.2. UN proper shipping name**

Not applicable

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

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for user**

Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

**14.8 Other transport information**

Not applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** Not indicated.

**15.2. Chemical safety assessment**

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: Other information

**16a. Indication of where changes have been made to the previous version of the safety data sheet** Revisions of this document

Earlier versions

2016-03-17 Changes in section(s) 2, 4, 7, 8, 10, 11, 13.

**16b. Legend to abbreviations and acronyms used in the safety data sheet**

**Full texts for Hazard Class and Category Code mentioned in section 3**

Met Corr 1                      May be corrosive to metals (Category 1)

Acute Tox 4 *oral*              Acute toxicity (Category 4 oral) Skin

Corr 1A              Corrosive (Category 1A)

**Explanations of the abbreviations in Section 14**

ADR    European Agreement concerning the International Transport of Dangerous Goods by Road

RID    Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG   International Maritime Dangerous Goods Code

ICAO   International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

IATA   The International Air Transport Association

**16c. Key literature references and sources for data**

**Sources for data**

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2018-02-06.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

**Full texts for Regulations mentioned in this Safety Data Sheet**

1907/2006              REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as

Council

Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

- 2015/830 COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- 648/2004 REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
- EH40/2005 EH40/2005 Workplace exposure limits
- 89/391 COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work
- 98/24 COUNCIL DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC)
- 2006/12 DIRECTIVE 2006/12/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2006 on waste
- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification**

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

**16e. List of relevant hazard statements and/or precautionary statements**

**Full texts for hazard statements mentioned in section 3**

H290 May be corrosive to metals

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

**16f. Advice on any training appropriate for workers to ensure protection of human health and the environment**

**Warning for misuse**

This product can cause severe injuries if used improperly. Read and follow carefully the instructions in this safety sheet and other appropriate risk information. At professional use the employer is responsible for the staff being well aware of the risks. **Other relevant information**

**Editorial information**



This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan

8, SE-582 20 Linköping, Sweden, [www.kemrisk.se](http://www.kemrisk.se)

