

# SAFETY DATA SHEET

In accordance with 2015/830 and 1272/2008

(All references to EU regulations and directives are abbreviated into only the numeric term)

Issued 2016-03-17 Replaces issued SDS 2014-11-27

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Trade name** **BBQ Cleaner**

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

**Identified uses** Cleaning agents /grill /stove

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

**Company** Palmetten AB  
Mariagatan 29  
SE-54234 MARIESTAD  
Sweden

**Telephone** +46 171-92130

**E-Mail** [info@palmetten.se](mailto:info@palmetten.se)

### Original manufacturer of this product

KombiDelta AB, Teknikvägen 3, 24534 Staffanstorp, Tel.nr. 046-460 11 10, E-mail: [info@kombidelta.se](mailto:info@kombidelta.se)

### 1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112.

For non-emergency poison information, see [http://www.who.int/gho/phe/chemical\\_safety/poisons\\_centres/en/](http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification in accordance with 1272/2008

Corrosive (Category 1B)

### 2.2. Label elements Label information in accordance with 1272/2008



Hazard pictograms

Signal words **Danger**

Hazard statements

H314 Causes severe skin burns and eye damage

Precautionary statements

P102 Keep out of reach of children

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

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

P501 Dispose of contents and container to the municipality's collection point for hazardous waste

### 2.3. Other hazards

Not relevant.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is composed of a homogeneous aqueous solution.

### 3.2. Mixtures

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

Constituent	Classification	Concentration
<b>DIPROPYLENE GLYCOL METHYL ETHER</b>		
CAS No 34590-94-8 EC No 252-104-2	-	1 - 5%
<b>POTASSIUM HYDROXIDE</b>		
CAS No 1310-58-3 EC No 215-181-3 Index No 019-002-00-8	Met Corr 1, Acute Tox <i>4oral</i> , Skin Corr 1A; H290, H302, H314	< 2%
<b>SODIUM METASILICAT PENTAHYDRATE</b>		
CAS No 10213-79-3 EC No 229-912-9	Met Corr 1, Skin Corr 1B, STOT SE <i>3resp</i> ; H290, H314, H335	< 2%

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 complement used in the calculation of the hazards of this mixture, see Section 16b Also contains component(s) not necessary to label.

Content according to 648/2004: Non-ionic surfactants: <5%.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Generally

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

#### Upon breathing in

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

Rinse nose and mouth if discomfort occurs.

#### Upon contact with the eyes

Remove solid particles.

Flush eye for several minutes. If irritation persists please seek medical advice for continued treatment. Present this classification according to section 2 in this Safety Data Sheet.

#### Upon skin contact

Remove contaminated clothes.

Flush with lots of water for at least 5 minutes.

#### 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

Chemical burns may occur.

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

Symptomatic treatment.

## 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

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

Use recommended safety equipment, see section 8.

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

Avoid inhalation and exposure to skin and eyes.

### 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.

Avoid contact with skin and eyes.

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.

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

Do not store above normal room temperature.

Handle in premises which have modern ventilation standards.

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

Eye-rinsing facilities shall be available at the workplace.

Store only in the original package.

### 7.3. Specific end uses

Not relevant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. National limit values, United Kingdom

##### DIPROPYLENE GLYCOL METHYL ETHER

Time-weighted-average exposure limit (TWA) 50 ppm / 308 mg/m<sup>3</sup> Anm.H

##### POTASSIUM HYDROXIDE

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

Other ingredients (cf. Section 3) have no occupational exposure limit values.

### 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.

Never use contact lenses when working with this substance.

Use protective glasses, safety goggles, or a visor.

Gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here are recommended.

Work without protective gloves should only occur when very small amounts are handled.

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

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

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 applicable
d)	pH	12-14
e)	Melting point/freezing point	Not applicable
f)	Initial boiling point and boiling range	100 °C at atmospheric pressure (101325 Pa)
g)	Flash point	Not applicable
h)	Evaporation rate	Not applicable
i)	Flammability (solid, gas)	Not applicable
j)	Upper/lower flammability or explosive limits	Not applicable
k)	Vapour pressure	Not applicable
l)	Vapour density	Not applicable
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 applicable
q)	Decomposition temperature	Not applicable
r)	Viscosity	Not applicable
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

Not indicated

## 10.4. Conditions to avoid

Not indicated

## 10.5. Incompatible materials

Not indicated

## 10.6. Hazardous decomposition products

Not indicated

# SECTION 11: TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

### General or unspecific toxicity

The main risk with this product is its corrosive properties.

### Harmfulness

The product is a health hazard.

### Corrosive and irritating effects

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

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

The product is suspected to be skin corrosive due to the high pH.

Contact with the eyes may cause irreversible eye damage.

### Relevant toxicological properties

#### DIPROPYLENE GLYCOL METHYL ETHER

LD50 rabbit (Dermally) 24h > 19000 mg/kg dermal

LD50 rat (Orally) 24h = 5130 mg/kg oral

#### POTASSIUM HYDROXIDE

LD50 rat (Orally) 24h = 333 mg/kg oral

## **SODIUM METASILICATE PENTAHYDRATE**

LD50 rat (Orally) 24h 1504 - 1720 mg/kg oral

# **SECTION 12: ECOLOGICAL INFORMATION**

## **12.1. Toxicity**

### **DIPROPYLENE GLYCOL METHYL ETHER**

LC50 fathead minnow (*Pimephales promelas*) 96h > 10000 mg/l

LC50 Freshwater water flea (*Daphnia magna*) 48h = 5000 mg/L

EC50 Freshwater water flea (*Daphnia magna*) 48 h > 1919 mg/l

LC50 Fish 96h > 150 mg/L

### **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

### **SODIUM METASILICATE PENTAHYDRATE**

EC50 Freshwater water flea (*Daphnia magna*) 96 h = 247 mg/l

LC50 mosquitofish (*Gambusia affinis*) 96h > 2320 mg/l

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

## **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/EC.

## **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**

Not indicated

## **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 for the product**

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

### **Classification according to 2006/12**

Recommended LoW-code: 20 01 29 Detergents containing dangerous substances.

### **Recycling of the product**

Residual, old or contaminated product should be disposed of at a waste management facility.

# **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

## SECTION 15: REGULATORY INFORMATION

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

Not applicable.

#### 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 version

2014-11-27 Revisions of this document has, where not otherwise stated, been caused by changes in the regulations.

#### 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 4oral	Acute toxicity (Category 4 oral)
Skin Corr 1A	Corrosive (Category 1A)
No environmental hazard	Not classified as being environmentally hazardous
Skin Corr 1B	Corrosive (Category 1B)
STOT SE 3resp	Specific organ toxicity - single exposure; May cause respiratory irritation (Category 3 resp)

##### **Comprehensive definition of the hazards mentioned in Section 2**

###### **Skin Corr 1B**

On the basis of the results of animal testing, the substance is classified as corrosive, subcategory 1B according to 1272/2008 Annex I), i.e. visible necrosis through the epidermis and into the dermis, in at least 1 of 3 tested animals after exposure lasting more than 3 minutes but not more than 1 hour. Corrosive reactions are typified by ulcers, bleeding, bloody scabs and, by the end of observation at 14 days, by discoloration due to blanching of the skin, complete areas of alopecia and scars

##### **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

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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 2015-12-14.

Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

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

2015/830 COMMISSION REGULATION (EU) No 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

- 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 Annex I

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

The calculation of the hazards of this mixture has been performed as an evaluation by applying a weight of evidence determination using expert judgement in accordance with 1272/2008 Annex I, weighing all available information having a bearing on the determination of the hazards of the mixture, 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
- H335 May cause respiratory irritation

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

**Warning for misuse**

This product can cause injuries if not used properly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

**Other relevant information**

**Editorial information**

This safety data sheet has been generated by the program KemRisk®, KemRisk Sweden AB, Teknikringen 10, SE-583 30 Linköping, Sweden.