

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 (REACH)  
with its amendment Regulation (EU) 2015/830

Page: 1

Compilation date: 31.08.2011

Revision date: 25.02.2020

Revision No: 6.3

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** KLEEN LAUNDRY LAVO DES 60 KOMPAKT**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Disinfection Washing powder for professional users**1.3. Details of the supplier of the safety data sheet****Company name:** KLEEN PURGATIS GmbH

Dieselstraße 10

32120 Hiddenhausen

Germany

**Tel:** +49 (0)5223 - 9970-40**Fax:** +49 (0)5223 - 9970-195**Email:** info@kleen-purgatis.de**1.4. Emergency telephone number****Emergency tel:** +49 (0)551 - 19240 (GIZ-Nord)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** This product has no classification under CLP.**2.2. Label elements****Label elements:****Precautionary statements:** P264: Wash hands, forearms and face thoroughly after handling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTRE / doctor if you feel unwell.

P501: Dispose of contents/container to problem waste.

**2.3. Other hazards****PBT:** This product is not identified as a PBT/vPvB substance.**Section 3: Composition/information on ingredients****3.2. Mixtures**

## SAFETY DATA SHEET

KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 2

**\*Hazardous ingredients:**

SODIUM CARBONATE PEROXIDE - REACH registered number(s): 01-2119457268-30-0000

EINECS	CAS	SCL	CLP Classification	Percent
239-707-6	15630-89-4	Eye Dam.1: C>25% Eye Irrit.2: 10≤C<25%	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Dam. 1: H318	10-20%

SILICIC ACID, SODIUM SALT - REACH registered number(s): 01-2119448725-31-0000

215-687-4	1344-09-8	Eye Dam.1: C>28% Skin Irrit.2: 28≤C<39%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335	5-15%
-----------	-----------	--	---	-------

SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-0000

207-838-8	497-19-8	-	Eye Irrit. 2: H319	10-20%
-----------	----------	---	--------------------	--------

SULFURIC ACID, MONO-C12-18-ALKYL ESTERS, SODIUM SALTS -  
REACH registered number(s): 01- 2119490225-39-0001

273-257-1	68955-19-1	-	Eye Dam. 1: H318; Skin Irrit. 2: H315; Aquatic Chronic 3: H412	1-5%
-----------	------------	---	---	------

BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS - REACH registered number(s): 01-2119489428 -22-0000

270-115-0	68411-30-3	-	Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315	1-5%
-----------	------------	---	--	------

ALCOHOLS, C13-C15, BRANCHED AND LINEAR, ETHOXYLATED

-	157627-86-6	-	Eye Dam. 1: H318; Acute Tox. 4: H302; Aquatic Chronic 3: H412	1-5%
---	-------------	---	--	------

ALCOHOLS, C13-C15, BRANCHED AND LINEAR, ETHOXYLATED

-	157627-86-6	-	Eye Irrit. 2: H319; Aquatic Acute 1: H400; Aquatic Chronic 3: H412	<1%
---	-------------	---	---	-----

FATTY ALCOHOL ETHOXYLATE - REACH registered number(s): 02-2119552554-37-0000

-	-	-	Eye Irrit. 2: H319; Aquatic Chronic 3: H412; Acute Tox. 4: H302	<1%
---	---	---	--	-----

SUBTILISIN - REACH registered number(s): 01-2119480434-38-0000

232-752-2	9014-01-1	-	STOT SE 3: H335; Skin Irrit. 2: H315; Eye Dam. 1: H318; Resp. Sens. 1: H334; Aquatic Acute 1: H400	<1%
-----------	-----------	---	--	-----

**\*Contains:** 18g sodium percarbonate and 6,9g TAED as disinfectant per 100g.

### Section 4: First aid measures

#### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

[cont...]

**SAFETY DATA SHEET**  
KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 3

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Not applicable.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** Not applicable.

**Delayed / immediate effects:** Immediate effects can be expected after long-term exposure.

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

**Immediate / special treatment:** Show this safety data sheet to the doctor in attendance.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

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

**Exposure hazards:** Not applicable.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear protective clothing to prevent contact with skin and eyes. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**Section 6: Accidental release measures**

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

**Personal precautions:** Do not create dust.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** Take up mechanically. Wash with plenty of water. Refer to section 13 of SDS for suitable method of disposal.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

[cont...]

# SAFETY DATA SHEET

KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 4

## 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Maximum storage temperature: 40°C / 104°F

Storage class: 13 (Non-combustible solids)

**Suitable packaging:** Must only be kept in original packaging.

## 7.3. Specific end use(s)

**Specific end use(s):** PC8: Biocidal products (e.g. Disinfectants, pest control).

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### \*DNEL/PNEC Values

**Hazardous ingredients:**

#### SODIUM CARBONATE PEROXIDE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	12,8 mg/cm <sup>2</sup>	Workers	Local
DNEL	Inhalation	5 mg/cm <sup>3</sup>	Workers	Local
DNEL	Dermal	6,4 mg/cm <sup>2</sup>	Consumers	Local
PNEC	Fresh water	0,035 mg/l	-	-
PNEC	Abwasseraufbereitungsanlage	16,24 mg/l	-	-

#### SILICIC ACID, SODIUM SALT

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	5,61 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation (repeated dose)	1,38 mg/m <sup>3</sup>	Consumers	Systemic
PNEC	Fresh water	7,5 mg/l	-	-
PNEC	Marine water	1 mg/l	-	-
PNEC	Microorganisms in sewage treatment	348 mg/l	-	-

#### SODIUM CARBONATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	10 mg/m <sup>3</sup>	Workers	-

[cont...]

# SAFETY DATA SHEET

KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 5

## BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS

Type	Exposure	Value	Population	Effect
DNEL	Dermal	170 mg/kg	Workers	Systemic
DNEL	Inhalation	12 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Oral	0,85 mg/kg	Consumers	Systemic
PNEC	Microorganisms in sewage treatment	3,43 mg/l	-	-
PNEC	Fresh water sediments	8,1 mg/kg	-	-
PNEC	Marine water	0,0268 mg/l	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** not necessary.

**Eye protection:** Not applicable.

**Skin protection:** Not applicable.

**Environmental:** No special requirement.

## Section 9: Physical and chemical properties

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

**State:** Powder

**Colour:** blue / white

**Odour:** scented

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Viscosity:** Not applicable.

**Boiling point/range°C:** Not applicable.

**Flammability limits %: lower:** Not applicable.

**Flash point°C:** Not applicable.

**Autoflammability°C:** Not applicable.

**Relative density:** 890 g/l

**Melting point/range°C:** No data available.

**upper:** Not applicable.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** Not applicable.

**pH:** 10 (1%)

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

[cont...]

**SAFETY DATA SHEET**  
KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 6

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Humidity.

**10.5. Incompatible materials**

**Materials to avoid:** None known

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** Not applicable.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**SODIUM CARBONATE PEROXIDE**

DERMAL	RBT	LD50	>2000	mg/kg
ORL	RAT	LD50	1034	mg/kg

**SILICIC ACID, SODIUM SALT**

ORAL	RAT	LD50	3400	mg/kg
VAPOURS	RAT	LC50	>2,06	g/m <sup>3</sup>

**SODIUM CARBONATE**

ORL	MUS	LD50	6600	mg/kg
ORL	RAT	LD50	4090	mg/kg
SCU	MUS	LD50	2210	mg/kg

**SULFURIC ACID, MONO-C12-18-ALKYL ESTERS, SODIUM SALTS**

ORL	RAT	LD50	~2600	mg/kg
-----	-----	------	-------	-------

**BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS**

ORL	RAT	LD50	1470	mg/kg
-----	-----	------	------	-------

[cont...]

**SAFETY DATA SHEET**  
KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 7

**ALCOHOLS, C13-C15, BRANCHED AND LINEAR, ETHOXYLATED**

ORL	RAT	LD50	>2000	mg/kg
-----	-----	------	-------	-------

**FATTY ALCOHOL ETHOXYLATED**

ORL	RAT	LD50	>300-<2000	mg/kg
-----	-----	------	------------	-------

**SUBTILISIN**

ORL	RAT	LD50	3700	mg/kg
-----	-----	------	------	-------

**Toxicity values:** No data available.

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** Not applicable.

**Delayed / immediate effects:** Immediate effects can be expected after long-term exposure.

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**SODIUM CARBONATE PEROXIDE**

Daphnia pulex	48H EC50	4,9	mg/l
Pimephales promelas	96H LC50	70,7	mg/l

**SILICIC ACID, SODIUM SALT**

Brachydanio rerio	96H LC50	1108	mg/l
Daphnia magna	48H EC50	1700	mg/l

**SODIUM CARBONATE**

Freshwater Invertebrates	48H EC50	200-227	mg/l
Lepomis macrochirus	96H LC50	300	mg/l

**BENZENESULFONIC ACID, C10-13-ALKYL DERIVS., SODIUM SALTS**

Daphnia magna	48H EC50	2.9	mg/l
Lepomis macrochirus	96H LC50	1.67	mg/l
Scenedesmus Subspicatus	72H EC50	47.3	mg/l

[cont...]

# SAFETY DATA SHEET

KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 8

## ALCOHOLS, C13-C15, BRANCHED AND LINEAR, ETHOXYLATED

Brachydanio rerio	96H LC50	1-10	mg/l
Pseudomonas putida	16H EC10	>10000	mg/l

## FATTY ALCOHOL ETHOXYLATED

Daphnia magna	48H EC50	>1-<10	mg/l
Leuciscus idus	48H LC50	>1-<10	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** no data available.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** The product has not been tested. Data apply to the components with the highest toxicological risk.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Dispose of waste according to applicable local, state and federal regulations.

**Waste code number:** 07 06 08

**Disposal of packaging:** May be reused following decontamination.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

**\*Specific regulations:** Ingredients according to Regulation (EC) No 648/2004: 15-30% oxygen-based bleaching agents, zeolites, 5-15% anionic surfactants, <5% non-ionic surfactants, polycarboxylates, phosphonates.  
Contains enzymes, PROTEASE, optical brighteners, perfumes.

[cont...]



**SAFETY DATA SHEET**  
KLEEN LAUNDRY LAVO DES 60 KOMPAKT

Page: 9

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

\* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers

Department issuing MSDS: Product Development Department;

Contact: Mrs. Klumpe, Mr. Reimer

**Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:**

The skin and/or eye classification of this product was derived using bridging principles (such as dilution, interpolation within one hazard category or substantially similar mixtures; with or without expert judgement) following Article 9(3) and Article 9(4) of Regulation (EC) No 1272/2008. DetNet logging number: 834

**Phrases used in s.2 and s.3:** H272: May intensify fire; oxidiser.  
H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H400: Very toxic to aquatic life.  
H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.