



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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SDS No. : 723949

V001.0

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Replaces version from: -

### Oust All Purpose Descaler Sachet

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

##### 1.1. Product identifier

Oust All Purpose Descaler Sachet

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

Intended use:  
descalers

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

Henkel Ltd.  
Wood Lane End, Hemel Hempstead  
HP2 4RQ Hertfordshire  
Phone: +44 (0) 1442 278000

consumer.response@henkel.com

##### 1.4. Emergency telephone number

0800 051 4433 (Monday to Friday from 9.00 to 17:00)

#### SECTION 2: Hazards identification

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

###### Classification according to Regulation (EC) No 1272/2008 (CLP):

Skin Corr. 1

H314 Causes severe skin burns and eye damage.

Eye Dam. 1

H318 Causes serious eye damage.

##### 2.2. Label elements

###### Label elements (CLP):

###### Hazard pictogram:



###### Signal word:

Danger

###### Hazard statement:

H314 Causes severe skin burns and eye damage.

EUH071 Corrosive to the respiratory tract.

**Precautionary statement:**

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P280 Wear protective gloves/eye protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P310 Immediately call a POISON CENTER or doctor/ physician.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with national regulation.

**Contains:**

Lactic acid

**2.3. Other hazards**

tactile warning of danger  
 Use child-resistant fastening.

**SECTION 3: Composition/information on ingredients****3.1. Substances****3.2. Mixtures****Hazardous substances according to CLP (EC) No 1272/2008:**

| Hazardous substances<br>CAS-No. | EINECS    | REACH-Reg No.    | Content       | Classification                                            |
|---------------------------------|-----------|------------------|---------------|-----------------------------------------------------------|
| Lactic acid<br>79-33-4          | 201-196-2 | 01-2119474164-39 | >= 70- < 90 % | Skin corrosion 1C<br>H314<br>Serious eye damage 1<br>H318 |

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information:**

In case of adverse health effects seek medical advice.

**Inhalation:**

Move to fresh air. In case of breathing difficulties seek immediate medical advice.

**Skin contact:**

Rinse under running water. Remove all contaminated clothing. Consult skin specialist if necessary.

**Eye contact:**

Rinse immediately under running water (for 10 minutes), thereafter seek immediate specialist medical advice.

**Ingestion:**

Do not induce vomiting, seek medical advice immediately.  
 Rinse mouth with water, (only if the person is conscious).

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

After inhalation: Irritation of the respiratory tract, coughing. Inhalation of larger amounts may cause laryngospasm with shortness of breath.

After skin contact: Moderate to strong irritation of the skin (redness, swelling, burning), severe burns also possible.

After eye contact: Corrosive, may cause permanent damage to eyes (impairment of vision).

After ingestion: Corrosivity may cause immediately pain, burning, swelling, and redness in mouth and throat. Nausea and vomiting may occur. Risk of serious damage to the mouth, throat and esophagus.

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

After inhalation: No special action.

After skin contact: No special action.

After eye contact: No special action.

After ingestion: Do not induce vomiting. Single administration of a non-carbonated beverage (water or tea).

After ingestion: In case of ingestion of larger or unknown quantities administer a defoamer (Dimeticon or Simeticon).

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media:

Water spray jet (if possible, avoid full jet). Adapt the fire-fighting measures to the environmental conditions.

Commercially available extinguishers are suitable for fighting incipient fires. The product itself does not burn.

**Extinguishing media which must not be used for safety reasons:**

None

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

Hazardous combustion products can be formed by pyrolysis and/or carbon monoxide.

**5.3. Advice for firefighters**

Use personal protective equipment and self-contained breathing apparatus.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Danger of slipping on spilled product.

If large amounts are released contact the fire service.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

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

Remove mechanically. Rinse away residue with plenty of water.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

No special measures required if used properly.

**Hygiene measures:**

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water, skin care.

Protective equipment only required in case of industrial use or for large packs (not for household packs)

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

Store dry at between +5 and +40°C.

Consider national regulations.

**7.3. Specific end use(s)**

descalers

## SECTION 8: Exposure controls/personal protection

**Only relevant for professional/industrial use**

### 8.1. Control parameters

Valid for

Great Britain

Contains no components with occupational exposure limit values.

### 8.2. Exposure controls

Respiratory protection:

Not needed.

Hand protection:

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Wear tight fitting goggles.

Skin protection:

Protective clothing against chemicals. Observe manufacturer's instructions.

## SECTION 9: Physical and chemical properties

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

**The following data apply to the whole mixture.**

|                                                   |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| a) Appearance                                     | liquid<br>clear<br>colourless                    |
| b) Odor                                           | characteristic                                   |
| c) Odour threshold                                | No data available / Not applicable               |
| d) pH<br>(20 °C (68 °F); Conc.: 10 % product)     | 1,5 - 2                                          |
| e) Melting point                                  | No data available / Not applicable               |
| f) Initial boiling point and boiling range        | No data available / Not applicable               |
| g) Flash point                                    | No flash point up to 100°C. Aqueous preparation. |
| h) Evaporation rate                               | No data available / Not applicable               |
| i) Flammability (solid , gas)                     | No data available / Not applicable               |
| j) Upper / lower flammability or explosive limits | No data available / Not applicable               |
| k) Vapour pressure                                | No data available / Not applicable               |
| l) Vapor density                                  | No data available / Not applicable               |
| m) Relative density<br>Density<br>(20 °C (68 °F)) | 1,20 - 1,22 g/cm <sup>3</sup>                    |
| n) Solubility (ies)                               | soluble in water                                 |
| o) Partition coefficient: n-octanol/water         | No data available / Not applicable               |
| p) Auto-ignition temperature                      | No data available / Not applicable               |
| q) Decomposition temperature                      | No data available / Not applicable               |
| r) Viscosity                                      | No data available / Not applicable               |
| s) Explosive properties                           | No data available / Not applicable               |
| t) Oxidising properties                           | No data available / Not applicable               |

### 9.2. Other information

Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reaction with strong alkaline and/or hypochlorite-containing cleansers / disinfectants: Production of heat and/or chlorine gas

### 10.2. Chemical stability

Stable under normal conditions of temperature and pressure.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

No decomposition if used according to specifications.

### 10.5. Incompatible materials

Containers and/or surfaces made of acid-sensitive materials, e.g. marble

### 10.6. Hazardous decomposition products

No decomposition if used according to specifications.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value       | Species | Method                             |
|---------------------------------|---------------|-------------|---------|------------------------------------|
| Lactic acid<br>79-33-4          | LD50          | 3.543 mg/kg | rat     | EPA OPP 81-1 (Acute Oral Toxicity) |

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value         | Species | Method                               |
|---------------------------------|---------------|---------------|---------|--------------------------------------|
| Lactic acid<br>79-33-4          | LD50          | > 2.000 mg/kg | rabbit  | EPA OPP 81-2 (Acute Dermal Toxicity) |

#### Acute inhalative toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value       | Test atmosphere | Exposure<br>time | Species | Method                                         |
|---------------------------------|---------------|-------------|-----------------|------------------|---------|------------------------------------------------|
| Lactic acid<br>79-33-4          | LC50          | > 7,94 mg/l | dust/mist       | 4 h              | rat     | OECD Guideline 403 (Acute Inhalation Toxicity) |

#### Skin corrosion/irritation:

No data available.

#### Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result               | Exposure<br>time | Species | Method   |
|---------------------------------|----------------------|------------------|---------|----------|
| Lactic acid<br>79-33-4          | highly<br>irritating |                  | rabbit  | In vitro |

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result          | Test type    | Species    | Method                            |
|---------------------------------|-----------------|--------------|------------|-----------------------------------|
| Lactic acid<br>79-33-4          | not sensitising | Buehler test | guinea pig | EPA OPP 81-6 (Skin Sensitisation) |

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method                                                                   |
|---------------------------------|----------|--------------------------------------------------------|--------------------------------------------|---------|--------------------------------------------------------------------------|
| Lactic acid<br>79-33-4          | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)              |
| Lactic acid<br>79-33-4          | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |         | OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test) |
| Lactic acid<br>79-33-4          | negative | mammalian cell<br>gene mutation assay                  | with and without                           |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)    |

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure::**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result / Value    | Route of<br>application    | Exposure time /<br>Frequency of<br>treatment | Species | Method        |
|---------------------------------|-------------------|----------------------------|----------------------------------------------|---------|---------------|
| Lactic acid<br>79-33-4          | NOAEL 50.000 mg/l | oral:<br>drinking<br>water | 13 w<br>daily                                | rat     | not specified |

**Aspiration hazard:**

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value    | Exposure time | Species                                      | Method                                            |
|---------------------------------|---------------|----------|---------------|----------------------------------------------|---------------------------------------------------|
| Lactic acid<br>79-33-4          | LC50          | 320 mg/l | 96 h          | Brachydanio rerio (new name:<br>Danio rerio) | OECD Guideline 203 (Fish,<br>Acute Toxicity Test) |

#### Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value    | Exposure time | Species       | Method                                                           |
|---------------------------------|---------------|----------|---------------|---------------|------------------------------------------------------------------|
| Lactic acid<br>79-33-4          | EC50          | 240 mg/l | 48 h          | Daphnia magna | OECD Guideline 202<br>(Daphnia sp. Acute<br>Immobilisation Test) |

#### Chronic toxicity to aquatic invertebrates

No data available.

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species                                                                     | Method                                               |
|---------------------------------|---------------|------------|---------------|-----------------------------------------------------------------------------|------------------------------------------------------|
| Lactic acid<br>79-33-4          | EC50          | 3.500 mg/l | 70 h          | Selenastrum capricornutum<br>(new name: Pseudokirchneriella<br>subcapitata) | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| Lactic acid<br>79-33-4          | NOEC          | 1.900 mg/l | 70 h          | Selenastrum capricornutum<br>(new name: Pseudokirchneriella<br>subcapitata) | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |

#### Toxicity to microorganisms

No data available.

### 12.2. Persistence and degradability

| Hazardous substances<br>CAS-No. | Result                | Test type | Degradability | Exposure<br>time | Method         |
|---------------------------------|-----------------------|-----------|---------------|------------------|----------------|
| Lactic acid<br>79-33-4          | readily biodegradable | aerobic   | > 60 %        | 28 d             | OECD 301 A - F |

### 12.3. Bioaccumulative potential

Does not bioaccumulate.

No substance data available.

### 12.4. Mobility in soil

| Hazardous substances<br>CAS-No. | LogPow | Temperature | Method                                                                      |
|---------------------------------|--------|-------------|-----------------------------------------------------------------------------|
| Lactic acid<br>79-33-4          | -0,62  |             | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method) |

**12.5. Results of PBT and vPvB assessment**

| Hazardous substances<br>CAS-No. | PBT / vPvB                                                                                                            |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Lactic acid<br>79-33-4          | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

**12.6. Other adverse effects**

Other adverse effects of this product for the environment are not known to us.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Product disposal:

Dispose of in accordance with local and national regulations.

Disposal of uncleaned packages:

Only completely empty containers are to be disposed of as recoverable materials.

## SECTION 14: Transport information

**14.1. UN number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.2. UN proper shipping name**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

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

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.4. Packing group**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.5. Environmental hazards**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.6. Special precautions for user**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## SECTION 15: Regulatory information

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

**Declaration of ingredients according to Detergent Regulation 648/2004/EC**

The preparation does not contain any ingredients to be labelled according to this regulation.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

**Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This Safety Data Sheet contains changes from the previous version in Section(s):

1-16