



Safety Data Sheet according to Regulation (EC) No 1907/2006

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SDS No. : 555057

V001.0

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Replaces version from: -

OUST ALL PURPOSE DESCALER

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

1.1. Product identifier

OUST ALL PURPOSE DESCALER

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.
Betchworth House; 57-65 Station Road
RH1 1DL Redhill

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Eye Dam. 1
H318 Causes serious eye damage.
Skin Irrit. 2
H315 Causes skin irritation.

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word:

Danger

Hazard statement:

H315 Causes skin irritation.
H318 Causes serious eye damage.

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

Contains:
Lactic acid

SECTION 3: Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Hazardous substances according to CLP (EC) No 1272/2008:

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
Lactic acid 79-33-4	201-196-2	01-2119474164-39	>= 70- < 90 %	Skin irritation 2; Dermal H315 Serious eye damage 1 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 with water. Take off all clothing contaminated by the product.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

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: Temporary irritation of the skin (redness, swelling, burning).

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

After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting. Vomit may get into the lungs causing damage (aspiration).

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).

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

If large amounts are released contact the fire service.
Avoid contact with skin and eyes.
Danger of slipping on spilled product.
Ensure adequate ventilation.

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:

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

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 clear colourless
b) Odor	characteristic
c) Odour threshold	No data available / Not applicable
d) pH (25 °C (77 °F))	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 Density ()	1,22 g/cm3
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:**

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

Acute dermal toxicity:

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

Acute inhalative toxicity:

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Lactic acid 79-33-4	LC50	> 7,94 mg/l	4 h	rat	OECD 403

Skin corrosion/irritation:

Hazardous substances CAS-No.	Conclusion	Exposure time	Species	Method
Lactic acid 79-33-4	irritating		rabbit	OECD 404

Serious eye damage/irritation:

Hazardous substances CAS-No.	Conclusion	Exposure time	Species	Method
Lactic acid 79-33-4	highly irritating		rabbit	In vitro

Respiratory or skin sensitization:

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

Germ cell mutagenicity:

Hazardous substances CAS-No.	Result	Type of study	Metabolic activation / Exposure time	Species	Method
Lactic acid 79-33-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD 471
	negative	in vitro mammalian chromosome aberration test	with and without		OECD 473
	negative	mammalian cell gene mutation assay	with and without		OECD 476

Repeated dose toxicity

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

SECTION 12: Ecological information**12.1. Toxicity****Toxicity (Fish):**

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

Toxicity (Daphnia):

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

Toxicity (Algae):

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Lactic acid 79-33-4	NOEC	1.9 g/l	70 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC50	3.5 g/l	70 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Biodegradation	Method
Lactic acid 79-33-4	readily biodegradable		> 60 %	OECD 301 A - F

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Lactic acid 79-33-4	-0,62					OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

12.5. Results of PBT and vPvB assessment

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

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

H315 Causes skin irritation.

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):

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