

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: 303.167.0628 Excellente quick Bio Descaler
Print date: 09.02.2015 Revision date: 09.02.2015 199999 EN
Version: 1-0 Issue date: 09.02.2015 Page 1 / 7

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

1.1. Product identifiers

Article No. (manufacturer/supplier): 303.167.0593
Identification of the substance or mixture: Excellente quick Bio Descaler
Lactic Acid

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

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Neo Chemie B V
Postbus 9 Telephone: +31 (0) 226-355 222
NL-1715 ZG Spanbroek Telefax: +31 (0) 226-359 955
E-mail info@neochemie.nl
Homepage : www.neochemie.nl

Dept. responsible for information:

Labor +31 (0) 226-355 222
E-mail (competent person) info@neochemie.nl

1.4. Emergency telephone number

National Poison phone number Information
Centrum (NVIC): +31 30-2748888
Exclusively intended for healthcare professionals in acute poisoning.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

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

Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is classified as hazardous according to 1999/45/EC.

Xi; R38-41	Irritant	Irritating to skin. Risk of serious damage to eyes.
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2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Danger

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after handling.
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 doctor.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

contains:

L(+)-Lactic acid

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: 303.167.0593 Eccellente quick Bio Descaler
Print date: 09.02.2015 Revision date: 09.02.2015
Version: 1-0 Issue date: 09.02.2015

199999 EN
Page 2 / 7

Supplemental Hazard information (EU)

not applicable

Labelling (67/548/EEC or 1999/45/EC)



Xi Irritant

Hazard statements

38 Irritating to skin.
41 Risk of serious damage to eyes.

Precautionary statements

2 Keep out of reach of children.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
39 Wear eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
23 Do not breathe vapour.

contains:

not applicable

Special provisions concerning the labelling of certain mixtures

not applicable

2.3. **Other hazards**

SECTION 3: Composition / information on ingredients

3.1. **Substances**

Not applicable.

3.2. **Mixtures**

Product description / chemical characterization

Description Cleaning agent, acidic

Hazardous ingredients

Classification according to Regulation (EC) No. 1272/2008 [CLP]

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification:	
201-196-2	01-2119474164-39-0000	
79-33-4	L(+)-Lactic acid	25 - 50
	Skin Irrit. 2 H315 / Eye Dam. 1 H318	

Classification according to Directive 67/548/EEC or 1999/45/EC

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification:	
201-196-2	01-2119474164-39-0000	
79-33-4	L-(+)-Milchsäure	25 - 50
	Xi; R38-41	

Additional information

Full text of R-phrases: see section 16.
Full text of H-phrases: see section 16.

Hazardous ingredients

SECTION 4: First aid measures

4.1. **Description of first aid measures**

General information

Remove contaminated, saturated clothing immediately. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In all cases of doubt, or when symptoms persist, seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. Provide fresh air. When in doubt or if symptoms are observed, get

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: 303.167.0628 Eccellente quick Bio Descaler
Print date: 09.02.2015 Revision date: 09.02.2015
Version: 1-0 Issue date: 09.02.2015

199999 EN
Page 3 / 7

medical advice.

Following skin contact

Remove contaminated, saturated clothing immediately. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Keep victim calm. Do NOT induce vomiting. Call a physician immediately. If medical advice is needed, have product container or label at hand.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

No data available

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media

Non-combustible liquids

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

Non-combustible liquids

5.3. **Special protective equipment for firefighters:**

Wear suitable protective clothing.

SECTION 6: Accidental release measures

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

Use personal protection equipment. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. **Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

6.4. **Reference to other sections**

Observe protective provisions (see chapter 7 and 8).

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

Advices on safe handling

Precautions against fire and explosion:

Non-combustible liquids

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

Requirements for storage rooms and vessels

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

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

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: 303.167.0593 Eccellente quick Bio Descaler
Print date: 09.02.2015 Revision date: 09.02.2015 199999 EN
Version: 1-0 Issue date: 09.02.2015 Page 4 / 7

Observe technical data sheet. Observe instructions for use, Notice the directions for use on the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

INDEX No. not applicable / CAS No.

PNEC:

L(+)-Lactic acid

EC No. 201-196-2 / CAS No. 79-33-4

PNEC aquatic, freshwater: 1,3 mg/L

PNEC sewage treatment plant (STP): 10 mg/L

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Occupational exposure controls

Respiratory protection

Usually no personal respirative protection necessary.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber) / NBR (Nitrile rubber). Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin: Recommended glove articles DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear protective gloves and protective clothing.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state liquid
Colour refer to label
Odour characteristic

Safety relevant basis data	Unit	Method	Remark
Flash point:	> 100 °C	DIN 53213	
Density at 20 °C:	1,08 g/cm ³		
Water solubility (g/L):	completely miscible		
pH at °C:20	0,00		
Viscosity at °C:20	> 12 s 4 mm	DIN 53211	

9.2. Other information:

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Materials to avoid

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.:	303.167.0593	Eccellente quick Bio Descaler	
Print date:	09.02.2015	Revision date: 09.02.2015	199999 EN
Version:	1-0	Issue date: 09.02.2015	Page 5 / 7

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

L(+)-Lactic acid
oral, LD50, Rat:
Methode: female
dermal, LD50, Rabbit: > 2000 mg/kg
inhalative (vapours), LC50, Rat: > 7,94 mg/L (4 h)
oral, LD50, Rat: 4936 mg/kg
Methode: male

Irritant and corrosive effects

L(+)-Lactic acid
Skin (4 h)
Eyes

Sensitisation

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Practical experience/human evidence

Other observations:

No known symptoms to date. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

SECTION 12: Ecological information

overall evaluation

There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

12.1. Toxicity

L(+)-Lactic acid
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 130 mg/L (96 h)
Daphnia toxicity, EC50, Daphnia magna (Big water flea): 130 mg/L (48 h)
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: > 2800 mg/L (72 h)
Fish toxicity, LC50, Brachydanio rerio (zebra-fish): 320 (96 h)

Long-term Ecotoxicity

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: 303.167.0628 Eccellente quick Bio Descaler
Print date: 09.02.2015 Revision date: 09.02.2015
Version: 1-0 Issue date: 09.02.2015

199999 EN
Page 6 / 7

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

200129 detergents containing dangerous substances

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. UN number

not applicable

14.2. UN proper shipping name

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Additional information

Land transport (ADR/RID)

tunnel restriction code

-

Sea transport (IMDG)

EmS-No.

not applicable

Additional information:

Not sustaining combustion:

0

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: 303.167.0628 Eccellente quick Bio Descaler
Print date: 09.02.2015 Revision date: 09.02.2015 199999 EN
Version: 1-0 Issue date: 09.02.2015 Page 7 / 7

14.7. **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
not applicable

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No. 648/2004 (Detergents regulation)

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/L) ISO 11890-2: 0

VOC-value (in g/L) ASTM D 2369: 2

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other information

Acid-/Alkali reserve (buffer capacity for mixtures with extreme pH values)

15.2. **Chemical Safety Assessment**

Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

Relevant R-and H-phrases (Number and full text):

Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Xi; R38-41	Irritant	Irritating to skin. Risk of serious damage to eyes.

Additional information

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after handling.
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 doctor.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Contains:

L(+)-Lactic acid

Supplemental Hazard information (EU)

not applicable