

# SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

**Date last verification** : 2017-05-29  
**Revision date** : 2017-05-29  
**Publication date** : 2010-11-02

**Version number** : 11.0

Last modifications in sections : 2 - 3

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

### 1.1. Product identifier

**SDS** : 26453  
**Product code 12nc** : 4219 400 51701  
**Supplier** : ORO-PRODUKTE MARKETING INTERNATIONAL GMBH

Im Hengstfeld 47  
D-32657 Lemgo  
Germany  
TEL: (+49) 5261-28 893-0  
FAX: (+49) 5261-28 893-48

**Tradenname** : GAGGIA DECALCIFIER 250ML

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

**General description** : SCALE REMOVING AGENT  
**Use** : Various  
**Uses advised against** : Data not available.

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

**Supplier safety data sheet** : Philips Electronics Nederland B.V., Philips Environment & Safety, High Tech Campus 37, 5656 AE Eindhoven, Tel. +31 (0)40 27 41 645  
**Responsible department** : dangerous.goods@philips.com

### 1.4. Emergency telephone number

**Emergency telephone number** : +31 (0)497-598315

## \* SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

(EC) No 1272/2008

Serious eye damage

Category 1

H318

### 2.2. Label elements

(EC) No 1272/2008

Hazard pictogram(s)



**Signal word** : Danger !

**Hazard statements**

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.
P280.3	Wear eye protection/face protection.
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/physician.

**Hazardous component(s)** L-(+)-LACTIC ACID

**Remarks on labelling** none

## 2.3. Other hazards

If applicable: see section 6.1 and section 7.1.

## \* SECTION 3: Composition/information on ingredients

Component	CAS-no.	Index No.	Percentage(%)	Label
	EC-no.	Registration no.		
CITRIC ACID MONOHYDRATE	5949-29-1		<25.0	GHS07 H319 Eye irrit. 2
	201-069-1	01-2119457026-42		
L-(+)-LACTIC ACID	79-33-4		<10.0	GHS05 H315 Skin irrit. 2 H318 Eye dam. 1
	201-196-2	01-2119474164-39		
ADDITIVES				
WATER	7732-18-5		≥65.0	
	231-791-2			

For the full text of the H-sentences mentioned in this section, see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Skin</b>	:	Remove contaminated clothes as soon as possible. Remove residue substance as soon as possible (e.g. rinse with plenty of water). In case of a serious exposure call for a doctor.
<b>Ingestion</b>	:	If victim is conscious let him rinse the mouth with water. Do NOT let him drink. In case of general disorders bring victim into the hospital, otherwise call for a doctor.
<b>Inhalation</b>	:	Bring victim into the fresh air as soon as possible and let rest. In case of severe exposure call for a doctor. In case of breathing problems, loose squeezing clothes and if victim is conscious bring victim in high sitting position. In case of stagnation of breathing give IMMEDIATELY oxygen and transport to hospital as soon as possible.
<b>Eyes</b>	:	Rinse for a long time with plenty of water. In case of eye-sight disturbances bring victim immediately into the hospital, in other cases call for a doctor

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

Skin	local	:	The substance is irritating: redness, pain.
		:	Degreasing: in case of sustained contact a rough, dry skin, eczema.
Ingestion	general	:	Probably no absorption worth mentioning.
	local	:	The substance is irritating: sore throat, abdominal pain.
Inhalation	general	:	The substance may be absorbed after ingestion.
	local	:	The substance is with atomising irritating: sore throat, coughing.
Eyes	general	:	Probably no absorption worth mentioning.
	local	:	The substance is corrosive: redness, pain, poor vision.
Remarks symptoms		:	The substance has an effect on: the blood.

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

For advice on further treatment contact a (national) poison center.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable fire-extinguisher

carbon dioxide, extinguishing powder, water spray, alcohol resistant foam

#### Unsuitable fire-extinguisher

not traceable

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

Hazardous decomposition products in fire : carbon monoxide

## 5.3. Advice for firefighters

In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.

# SECTION 6: Accidental release measures

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

### Precautions

Use protective equipment. See section 8.  
Read label before use.

### Emergency procedure

Is not to be expected.

## 6.2. Environmental precautions

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

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

### Spillage procedure

Absorb the liquid in appropriate absorbent (e.g. Powersorb, dry sand, diatomite, vermiculite etc.), shovel the mixture into plastic bags and remove to the central depot for hazardous waste.

## 6.4. Reference to other sections

See section 8 for appropriate personal protection.  
See section 13 for additional information on waste treatment.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Observe label precautions.  
Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment. Wash hands after leaving the work area.

**Local exhausting** : Depends on processing circumstances, but at least good room ventilation.

**Storage code (on behalf of PGS 15)** : none

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

**Storage conditions** : See also any precautionary statements in section 2.2.  
Store product in a closed, original container, frost free.

## 7.3. Specific end use(s)

Data not available.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### Exposure limits :

#### applicable to: The Netherlands

No TWA has been laid down.

CITRIC ACID MONOHYDRATE

No TWA has been laid down.

L-(+)-LACTIC ACID

No TWA has been laid down.

ADDITIVES

No TWA has been laid down.

WATER

C=Ceiling; S=Skin

### Remarks exposure limits :

none

### DNEL (Derived No Effect Level)

Data not available.

### PNEC (Predicted No Effect Concentration)

Fresh water: 0.44 mg/l

CITRIC ACID MONOHYDRATE

Source : ECHA

Fresh water sediment: 34.6 mg/kg

CITRIC ACID MONOHYDRATE

Source : ECHA

Marine water sediment: 3.46 mg/kg

CITRIC ACID MONOHYDRATE

Source : ECHA



## 11.1. Information on toxicological effects

### Acute oral toxicity

LD-50: 3.73 g/kg (ORL-RAT)

L-(+)-LACTIC ACID

**Method** : OECD 401

**Source** : IUCLID

### Acute dermal toxicity

LD-50: >2 g/kg (SKN-RBT)

L-(+)-LACTIC ACID

**Method** : OECD 402

**Source** : IUCLID

### Acute inhalation toxicity

There are no data available.

### Ames test

negative

CITRIC ACID MONOHYDRATE

**Source** : Merck

### Skin corrosion/irritation

The substance or mixture is not classified for skin corrosion/-irritation.

### Serious eye damage/irritation

Causes serious eye damage.

### Respiratory or skin sensitisation

The substance or mixture is not classified for respiratory or skin sensitisation.

### Germ cell mutagenicity

The substance or mixture is not classified for germ cell mutagenicity.

### Carcinogenicity

The substance or mixture is not classified for carcinogenicity.

### Additional information regarding carcinogenicity (NTP, IARC, OSHA)

NTP: no

IARC: no

OSHA: no

CITRIC ACID MONOHYDRATE

NTP: no

IARC: no

OSHA: no

L-(+)-LACTIC ACID

NTP: no

IARC: no

OSHA: no

WATER

### Reproductive toxicity

The substance or mixture is not classified for reproductive toxicity.

### Specific target organ toxicity-single exposure

The substance or mixture is not classified for specific target organ toxicity-single exposure.

### Specific target organ toxicity-repeated exposure

The substance or mixture is not classified for specific target organ toxicity-repeated exposure.

### Aspiration hazard

The substance or mixture is not classified for aspiration hazard.

### Symptoms

Skin	local	: The substance is irritating: redness, pain.
		: Degreasing: in case of sustained contact a rough, dry skin, eczema.
Ingestion	general	: Probably no absorption worth mentioning.
	local	: The substance is irritating: sore throat, abdominal pain.
Inhalation	general	: The substance may be absorbed after ingestion.
	local	: The substance is with atomising irritating: sore throat, coughing.
Eyes	general	: Probably no absorption worth mentioning.
	local	: The substance is corrosive: redness, pain, poor vision.
Remarks symptoms		: The substance has an effect on: the blood.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity

LC-50: 440 mg/l/96H (Fish)

CITRIC ACID MONOHYDRATE

**Source** : ACROS

EC-50: 120 mg/l/48H (Daphnia)

CITRIC ACID MONOHYDRATE

**Source** : ACROS

LC-50: 320 mg/l/96H (Fish)

L-(+)-LACTIC ACID

**Method** : OECD 203

EC-50: 240 mg/l/48H (Daphnia)

L-(+)-LACTIC ACID

**Method** : OECD 202

NOEC-Fish: 320 mg/l/96H

L-(+)-LACTIC ACID

**Source** : IUCLID

NOEC-Daphnia: 240 mg/l/48H

L-(+)-LACTIC ACID

**Method** : OECD 202

**Source** : IUCLID

### 12.2. Persistence and degradability

**Biological oxygen demand (5)** : 0.481 g/g

CITRIC ACID MONOHYDRATE

**Source** : Merck

0.0005 g/g

L-(+)-LACTIC ACID

**Chemical oxygen demand** : 0.686 g/g

CITRIC ACID MONOHYDRATE

**Source** : Merck

0.0009 g/g

L-(+)-LACTIC ACID

<b>Biological(5)/chemical oxygen demand ratio</b>	: 0.701	CITRIC ACID MONOHYDRATE	
	0.5	L-(+)-LACTIC ACID	
<b>Degradability</b>	: readily	CITRIC ACID MONOHYDRATE	<b>Method</b> : OECD 302B
	readily	L-(+)-LACTIC ACID	<b>Source</b> : Merck
			<b>Source</b> : IUCLID

### 12.3. Bioaccumulative potential

<b>Bioconcentration factor (BCF)</b>	: not traceable		
<b>Log Po/w</b>	: -1.7	CITRIC ACID MONOHYDRATE	<b>Source</b> : Chemicalcards
	-0.62	L-(+)-LACTIC ACID	<b>Method</b> : OECD 117
			<b>Source</b> : IUCLID

### 12.4. Mobility in soil

<b>Henry Constant</b>	: 1.13E-7 atm m3/mol	L-(+)-LACTIC ACID	<b>Source</b> : Easi View
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### 12.5. Results of PBT and vPvB assessment

Data not available.

### 12.6. Other adverse effects

Remarks on ecotoxicity : none

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

## SECTION 14: Transport information

### 14.1. UN number

Not subject to Transport-regulation Dangerous Substances

### 14.2. UN proper shipping name

Not subject to Transport-regulation Dangerous Substances

### 14.3. Transport hazard class(es)

Not subject to Transport-regulation Dangerous Substances

### 14.4. Packing group

Not subject to Transport-regulation Dangerous Substances

### 14.5. Environmental hazards

Marine pollutant : no

### 14.6. Special precautions for user

Not subject to Transport-regulation Dangerous Substances

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

Data not available.

## SECTION 15: Regulatory information

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

- Water Hazard Class (WGK) = 1
- According to the supplier, the components of which the product exists are registered in (or exempt from) the Toxic Substances Control Act Inventory (TSCA-USA).

### 15.2. Chemical safety assessment

- Data not available.

## SECTION 16: Other information

**Remarks on SDS** : Specific requirements Switzerland:  
- Section 1:  
Importer: Philips AG, Allmendstrasse 140, 8027 Zürich  
Telephone: +41 (0)44/488 2211  
Customer service: +41 (0)800/002050 (Monday - Friday 8:00 - 18:00)  
Mobile network: +41 (0)848/000292 (Monday - Friday 8:00 - 18:00)  
Swiss Toxicological Information Centre CH-8028 Zürich: +41 (0)44/2515151 or 145  
- Section 13:  
Waste code: 20 01 29 (European Waste Catalogue (EWC))

### Overview relevant H-sentences from all components in section 3

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.

### Training advice

Provide adequate information, instruction and training for operators.

### A key or legend to abbreviations and acronyms used in the safety data sheet

REACH	Registration, Evaluation and Authorisation of CHemicals
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
CAS	Chemical Abstracts Service
TGG = TWA	Time Weighted Average
LEL	Lower Explosive Limit
UEL	Upper Explosive Limit
NTP	National Toxicology Program
KHC	Known Human Carcinogen
RAHC	Reasonably Anticipated Human Carcinogen
IARC	International Agency for Research on Cancer
OSHA	Occupational Safety & Health Administration
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
RID	Règlement concernant le transport international ferroviaire des marchandises dangereuses
UN	United Nations
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
EmS	Emergency Schedule

\* Point to alterations with regard to the previous version.

The information provided in this Safety Data Sheet is believed to be correct as of the date issued. Philips Electronics Nederland B.V. makes no warranty as to its contents, nor as to its fitness for any particular purpose or use.