

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
and ANSI Z400.1-2004



Trade name : Diruneutra LIQ  
Version : 19.03.2014  
Revision : 19.03.2014

1.0.0

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Diruneutra LIQ

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

Relevant identified uses

stabilizer

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

#### Manufacturer/Supplier

Ateco Services AG

#### Street :

Weidenweg 17

#### Postal code/city :

4310 Rheinfelden

#### Telephone :

061 835 50 10

#### Telefax :

061 835 50 55

#### Information contact :

M. Vernier, +41 61 835 50 10 / info@ateco.ch / +49 3 52 04 39 24 0

### 1.4 Emergency telephone number

Swiss Toxicological Information Centre +41 44 251 51 51

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

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

None

### 2.2 Label elements

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

##### Special provisions concerning the labelling of certain mixtures

101 Safety data sheet available for professional user on request.

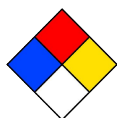
#### Labelling (ANSI Z400.1-2004)

##### HMIS® III Color bar (USA)



HMIS - Health : 0 (Minimal Hazard)  
HMIS - Flammability : 0 (will not burn)  
HMIS - Physical Hazard : 0 (Minimal Hazard)  
HMIS - Personal Protection : B (A+Gloves)

##### NFPA 704 Fire diamond (USA)



NFPA - Health : 0 (normal material)  
NFPA - Flammability : 0 (will not burn)  
NFPA - Reactivity : 0 (stable)  
NFPA - Special : EF (inapplicable)

### 2.3 Other hazards

None

## 3. Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

OXALIC ACID ; EC No. : 205-634-3; CAS No. : 144-62-7

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
and ANSI Z400.1-2004



Trade name : Diruneutra LIQ  
Version : 19.03.2014  
Revision : 19.03.2014

1.0.0

Weight fraction : 1 - 5 %  
Classification 67/548/EEC : Xn ; R21/22  
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302/312

#### Additional information

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

## 4. First aid measures

### 4.1 Description of first aid measures

#### In case of inhalation

No particular measures required.

#### In case of skin contact

Remove contaminated, saturated clothing immediately.

#### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

None

## 5. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water

#### Unsuitable extinguishing media

None known.

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

None

### 5.3 Advice for firefighters

None

### 5.4 Additional information

None.

## 6. Accidental release measures

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

Take the normal precautionary measures for handling chemicals.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

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

None

### 6.4 Reference to other sections

None

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
and ANSI Z400.1-2004



Trade name : Diruneutra LIQ  
Version : 19.03.2014  
Revision : 19.03.2014

1.0.0

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes.

#### Protective measures

##### Measures to prevent fire

No anti-explosion measures necessary.

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

#### Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.

### 7.3 Specific end use(s)

None

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

OXALIC ACID ; CAS No. : 144-62-7

Limit value type (country of origin) : TWA ( EC )

Limit value : 1 mg/m<sup>3</sup>

Version : 07.02.2006

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Eye glasses with side protection

##### Skin protection

###### Hand protection

In full contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 minutes. In splash contact: Glove material: nitrile rubber Layer thickness: 0.11 mm Breakthrough time: > 480 minutes. The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the associated standard EN374.

###### Body protection

Suitable protective clothing : No particular measures required.

#### General health and safety measures

Keep away from food, drink and animal feed.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state : liquid

Colour : clear Light yellow.

#### Odour

characteristic

#### Safety relevant basis data

Boiling temperature/boiling range ( 1013 hPa ) : 100 °C

Flash point : not applicable

Vapour pressure : ( 50 °C ) No data available

Density : ( 20 °C ) 1.1 g/cm<sup>3</sup>

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
and ANSI Z400.1-2004



Trade name : Diruneutra LIQ  
Version : 19.03.2014  
Revision : 19.03.2014

1.0.0

<b>Solvent separation test :</b>	( 20 °C )		No data available	
<b>Water solubility :</b>	( 20 °C )	>	100	Wt %
<b>PH value :</b>	( 20 °C / 10 g/l )	ca.	4	
<b>Flow time :</b>	( 20 °C )		No data available	DIN-cup 4 mm
<b>Viscosity :</b>	( 20 °C )		No data available	

## 9.2 Other information

None

## 10. Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Thermal decomposition above 446°F.

### 10.5 Incompatible materials

None.

### 10.6 Hazardous decomposition products

No information available.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter : LD50  
Exposure route : Oral  
Species : Rat  
Effective dose : > 2000 mg/kg

##### Acute dermal toxicity

Parameter : LD50  
Exposure route : Dermal  
Species : Rat  
Effective dose : > 2000 mg/kg

## 12. Ecological information

### 12.1 Toxicity

#### Effects in sewage plants

Parameter : Chemical oxygen demand (COD)  
Effective dose : 81 g/l

### 12.2 Persistence and degradability

#### Biodegradation

Analytical method : Biodegradability according to OECD  
Degradation rate : 90 %

### 12.3 Bioaccumulative potential

No information available.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
and ANSI Z400.1-2004



Trade name : Diruneutra LIQ  
Version : 19.03.2014  
Revision : 19.03.2014

1.0.0

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Other adverse effects

No information available.

## 12.7 Further ecological information

None

## 13. Disposal considerations

Recycle according to official regulations.

### 13.1 Waste treatment methods

#### Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product

Waste code (91/689/EEC) : 07 06 01\*

## 14. Transport information

### 14.1 UN number

No dangerous goods in sense of this transport regulation.

### 14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

### 14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

### 14.4 Packing group

No dangerous goods in sense of this transport regulation.

### 14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

### 14.6 Special precautions for user

None

## 15. Regulatory information

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

None

### 15.2 Chemical Safety Assessment

No information available.

## 16. Other information

The user is responsible for observing all required statutory provisions.

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

None

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
and ANSI Z400.1-2004



**Trade name :** Diruneutra LIQ  
**Version :** 19.03.2014  
**Revision :** 19.03.2014

1.0.0

---

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

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

None

### 16.5 Relevant R-phrases (Number and full text)

H302/312 Harmful if swallowed or in contact with skin.

21/22 Harmful in contact with skin and if swallowed.

### 16.6 Training advice

None

---

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

---