

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

1.1. Product identifier

Product form : Mixtures
 Product name : NERTA ATC 300
 Product code : ENT-970901
 Type of product : Cleaning product

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ENTACO NV
 Brandstraat 15
 B-9160 Lokeren - Belgique-Belgie
 T 32 9 340 60 60 - F 32 9 340 60 61
info@nerta.be - www.nerta.be

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (dermal), Category 2 H310
 Acute toxicity (oral), Category 3 H301
 Skin corrosion/irritation, Category 1A H314
 Serious eye damage/eye irritation, Category 1 H318

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Fatal in contact with skin. Toxic if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS06

GHS05

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H301 - Toxic if swallowed
 H310 - Fatal in contact with skin
 H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P321 - Specific treatment (see supplemental first aid instruction on this label)

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|------------------------------|---|--------|--|
| Fatty alcohol ethoxylated | (CAS No) 68439-50-9 (REACH-no) POLYMER | 1 - 10 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| Hydrochloric acid | (CAS No) 7647-01-0 (EC No) 231-595-7;231-596-7 (EC Index No) 017-002-01-X (REACH-no) 01-211948486-27 | 1 - 10 | Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 |
| Hydrofluoric acid - solution | (CAS No) 7664-39-3 (EC No) 231-634-8 (EC Index No) 009-003-00-1 (REACH-no) 01-2119458860-33 | 1 - 10 | Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1A, H314 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|------------------------------|---|---|
| Hydrochloric acid | (CAS No) 7647-01-0 (EC No) 231-595-7;231-596-7 (EC Index No) 017-002-01-X (REACH-no) 01-211948486-27 | (C >= 10) STOT SE 3, H335 (10 =<C < 25) Eye Irrit. 2, H319 (10 =<C < 25) Skin Irrit. 2, H315 (C >= 25) Skin Corr. 1B, H314 |
| Hydrofluoric acid - solution | (CAS No) 7664-39-3 (EC No) 231-634-8 (EC Index No) 009-003-00-1 (REACH-no) 01-2119458860-33 | (0.1 =<C < 1) Eye Irrit. 2, H319 (1 =<C < 7) Skin Corr. 1B, H314 (C >= 7) Skin Corr. 1A, H314 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Call a doctor immediately, even if there are no immediate symptoms. First aid personnel must use Personal Protection Measures as indicated in section 7. . REMARK: the effect of HF and the emerging of pain can occur, particularly in case of diluted concentrations, up to 24 hours after exposure. It is important that the employees inside and outside the workplace have access to an antidote (Calcium gluconate) and can apply this as soon as possible. Inform the employee that in case of splashes in the eyes no gel should be applied and that a physician should be consulted. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician. |
| First-aid measures after skin contact | : Remove/Take off immediately all contaminated clothing. Call a physician immediately. Rinse skin with water/shower. In case of skin contact, wearing rubber gloves rub 2.5% calcium gluconate gel continuously into the affected area for 1.5 hours or until further medical care is available. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. Call a physician immediately. Do not induce vomiting. |

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

| | |
|--------------------------------------|---|
| Symptoms/injuries after inhalation | : The material produces irritation of the respiratory system in a substantial number of individuals following inhalation. |
| Symptoms/injuries after skin contact | : Burns. |
| Symptoms/injuries after eye contact | : Serious damage to eyes. |
| Symptoms/injuries after ingestion | : Burns. |
| Chronic symptoms | : Hydrogen fluoride easily penetrates the skin and causes destruction and corrosion of the bone and underlying tissue. Ingestion causes severe pains and burns in the mouth and throat and blood calcium levels are dangerously reduced. Symptoms include spasm and twitching of the muscles, high fever, convulsions and general extreme pain. Inhalation may cause corrosion of the throat, nose and lungs, leading to severe inflammation and lung swelling. |

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

Seek immediate medical advice.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool. Keep out of direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Hydrochloric acid (7647-01-0) | | |
|--|---------------------------------|-----------------------|
| EU | Local name | Hydrogen chloride |
| EU | IOELV TWA (mg/m ³) | 8 mg/m ³ |
| EU | IOELV TWA (ppm) | 5 ppm |
| EU | IOELV STEL (mg/m ³) | 15 mg/m ³ |
| EU | IOELV STEL (ppm) | 10 ppm |
| Hydrofluoric acid - solution (7664-39-3) | | |
| EU | Local name | Hydrogen fluoride |
| EU | IOELV TWA (mg/m ³) | 1.5 mg/m ³ |
| EU | IOELV TWA (ppm) | 1.8 ppm |
| EU | IOELV STEL (mg/m ³) | 2.5 mg/m ³ |
| EU | IOELV STEL (ppm) | 3 ppm |

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8.2. Exposure controls

| | |
|----------------------------------|---|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
| Personal protective equipment | : Safety glasses. Protective clothing. Gloves. |
| Hand protection | : Protective gloves. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). EN 374 |
| Eye protection | : Safety glasses. Use eye protection to EN 166, designed to protect against liquid splashes. EN 166 |
| Skin and body protection | : Wear suitable protective clothing |
| Respiratory protection | : In case of insufficient ventilation, wear suitable respiratory equipment. In case of insufficient ventilation, wear suitable respiratory equipment. Suitable respiratory equipment : B" (EN 141)" |



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--------------------------|
| Physical state | : Liquid |
| Colour | : Yellow. |
| Odour | : Pungent. |
| Odour threshold | : No data available |
| pH | : 2 - 4 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1.06 g/cm ³ |
| Solubility | : Soluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Dermal: Fatal in contact with skin. Oral: Toxic if swallowed.

| | |
|------------------|--------------------------|
| ATE CLP (oral) | 100.000 mg/kg bodyweight |
| ATE CLP (dermal) | 50.000 mg/kg bodyweight |

| Hydrochloric acid (7647-01-0) | |
|-------------------------------|-----------------|
| LD50 oral rat | 238 - 277 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| LC50 inhalation rat (mg/l) | 8.3 mg/l |

Skin corrosion/irritation : Causes severe skin burns and eye damage.
pH: 2 - 4

Serious eye damage/irritation : Causes serious eye damage.
pH: 2 - 4

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

| Hydrochloric acid (7647-01-0) | |
|-------------------------------|-----------|
| LC50 fish 1 | 20.5 mg/l |
| EC50 Daphnia 1 | 0.45 mg/l |
| EC50 72h algae (1) | 0.73 mg/l |

| Hydrofluoric acid - solution (7664-39-3) | |
|--|----------------------|
| LC50 fish 1 | 51 mg/l |
| EC50 Daphnia 1 | 26 mg/l |
| EC50 96h algae (1) | 43 mg/l freshwater |
| EC50 96h algae (2) | 81 mg/l marine water |
| NOEC chronic fish | 4 mg/l |

12.2. Persistence and degradability

| NERTA ATC 300 | |
|-------------------------------|---|
| Persistence and degradability | Contained surfactants are over 90 % biodegradable. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. Product is biodegradable. Product is biodegradable. |

| Fatty alcohol ethoxylated (68439-50-9) | |
|--|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| Fatty alcohol ethoxylated (68439-50-9) | |
|--|------------------|
| Bioaccumulative potential | Not established. |

| Hydrochloric acid (7647-01-0) | |
|-------------------------------|---------------------|
| Bioaccumulative potential | not bioaccumulable. |

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Dispose in a safe manner in accordance with local/national regulations. The packaging has to be emptied completely.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 2922

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, TOXIC, N.O.S.
Transport document description (ADR) : UN 2922 CORROSIVE LIQUID, TOXIC, N.O.S. (Hydrofluoric acid - solution(7664-39-3) ; Hydrochloric acid(7647-01-0)), 8 (6.1), II, (E)

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8 (6.1)
Danger labels (ADR) : 8, 6.1



14.4. Packing group

Packing group (ADR) : II

14.5. Environmental hazards

Dangerous for the environment : No
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : CT1
Special provisions (ADR) : 274
Limited quantities (ADR) : 11
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02
Mixed packing provisions (ADR) : MP15
Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special provisions (ADR) : TP2
Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28

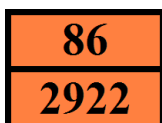
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Hazard identification number (Kemler No.) : 86

Orange plates :



Tunnel restriction code (ADR) : E

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Hazards identification.

Abbreviations and acronyms:

| | |
|-------|---|
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| vPvB | Very Persistent and Very Bioaccumulative |

Full text of H- and EUH-statements:

| | |
|---------------------------|--|
| Acute Tox. 1 (Dermal) | Acute toxicity (dermal), Category 1 |
| Acute Tox. 2 (Dermal) | Acute toxicity (dermal), Category 2 |
| Acute Tox. 2 (Inhalation) | Acute toxicity (inhal.), Category 2 |
| Acute Tox. 2 (Oral) | Acute toxicity (oral), Category 2 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H290 | May be corrosive to metals |
| H300 | Fatal if swallowed |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H310 | Fatal in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H330 | Fatal if inhaled |
| H335 | May cause respiratory irritation |
| H412 | Harmful to aquatic life with long lasting effects |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|-----------------------|------|--|
| Acute Tox. 2 (Dermal) | H310 | |
| Acute Tox. 3 (Oral) | H301 | |
| Skin Corr. 1A | H314 | |

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| | | |
|------------|------|--|
| Eye Dam. 1 | H318 | |
|------------|------|--|

SDS EU NERTA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product