

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Salpetersäure 7 Vol.-% (70 ml Salpetersäure 65%/l) reinst, in Ethanol vergällt**

Revision date: 02.05.2023

Product code: 29617

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Salpetersäure 7 Vol.-% (70 ml Salpetersäure 65%/l) reinst, in Ethanol vergällt

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

Laboratory chemical

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Uses advised against**

Do not use for private purposes (household).

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

|                         |                                  |                              |
|-------------------------|----------------------------------|------------------------------|
| Company name:           | AnalytiChem GmbH                 |                              |
| Street:                 | Stempelstraße 6                  |                              |
| Place:                  | D-47167 Duisburg                 |                              |
| Telephone:              | 0203/5194-0                      | Telefax: 0203/5194-290       |
| e-mail:                 | info@analytichem.de              |                              |
| Contact person:         | Abteilung Produktsicherheit      | Telephone: 0203/5194-107/117 |
| e-mail:                 | produktsicherheit@analytichem.de |                              |
| Internet:               | www.analytichem.de               |                              |
| Responsible Department: | Abteilung Produktsicherheit      |                              |

**1.4. Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

**Further Information**

This product is a mixture. REACH Registration Number see section 3.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Met. Corr. 1; H290

Flam. Liq. 2; H225

Skin Corr. 1B; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard components for labelling**

nitric acid

**Signal word:** Danger**Pictograms:****Hazard statements**

H225

Highly flammable liquid and vapour.

H290

May be corrosive to metals.

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H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 Wear protective gloves and eye/face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 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/doctor.

**Special labelling of certain mixtures**

EUH071 Corrosive to the respiratory tract.

**2.3. Other hazards**

No information available.

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

**3.2. Mixtures**

**Hazardous components**

| CAS No    | Chemical name   |              |                  | Quantity    |
|-----------|---|--------------|------------------|-------------|
|           | EC No   | Index No     | REACH No         |             |
|           | Classification (Regulation (EC) No 1272/2008)                                     |              |                  |             |
| 64-17-5   | ethanol   |              |                  | 85 - < 90 % |
|           | 200-578-6   | 603-002-00-5 | 01-2119457610-43 |             |
|           | Flam. Liq. 2, Eye Irrit. 2; H225 H319   |              |                  |             |
| 7697-37-2 | nitric acid   |              |                  | 5 - < 10 %  |
|           | 231-714-2   | 007-030-00-3 | 01-2119487297-23 |             |
|           | Ox. Liq. 3, Met. Corr. 1, Acute Tox. 3, Skin Corr. 1A; H272 H290 H331 H314 EUH071 |              |                  |             |

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

| CAS No    | EC No   | Chemical name | Quantity    |
|-----------|---|---------------|-------------|
|           | Specific Conc. Limits, M-factors and ATE  |               |             |
| 64-17-5   | 200-578-6   | ethanol       | 85 - < 90 % |
|           | inhalation: LC50 = 124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100                                   |               |             |
| 7697-37-2 | 231-714-2   | nitric acid   | 5 - < 10 %  |
|           | inhalation: ATE 2,65 mg/l (vapours) Ox. Liq. 3; H272: >= 65 - 100 Skin Corr. 1A; H314: >= 20 - 100 Skin Corr. 1B; H314: >= 5 - < 20 |               |             |

**Further Information**

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

First aider: Pay attention to self-protection!

**After inhalation**

Provide fresh air.

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Call a physician immediately.

#### After contact with skin

Wash immediately with: Water

Take off immediately all contaminated clothing and wash it before reuse.

Call a physician immediately.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect uninjured eye.

#### After ingestion

Rinse mouth immediately and drink plenty of water.

Call a physician immediately.

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

Causes burns.

Irritant

Cough

Dyspnoea

Dizziness

The product causes narcotic-like effects.

Inebriation

Vomiting

Methaemoglobinaemia

Risk of serious damage to eyes.

#### 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

Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.

#### Unsuitable extinguishing media

no restriction

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

Combustible liquid.

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Hazardous combustion products

In case of fire may be liberated:

Nitrogen oxides (NO<sub>x</sub>)

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide

Beware of reignition.

### 5.3. Advice for firefighters

Remove persons to safety. Do not inhale explosion and combustion gases.

Avoid contact with skin, eyes and clothes.

In case of fire: Wear self-contained breathing apparatus.

Use water spray jet to protect personnel and to cool endangered containers.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Suppress gases/vapours/mists with water spray jet.

Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

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

##### **General advice**

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

Corrosive to metals.

##### **For non-emergency personnel**

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Do not breathe dust/fume/gas/mist/vapours/spray.

##### **For emergency responders**

Precautionary statements For emergency responders : Personal protection equipment: see section 8

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

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

##### **For containment**

Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

##### **For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

##### **Other information**

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Read label before use. Handle and open container with care.

When using do not eat, drink, smoke, sniff. Keep container tightly closed.

Use personal protection equipment. Use extractor hood (laboratory).

Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

##### **Advice on protection against fire and explosion**

Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Vapours may form explosive mixtures with air.

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#### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

#### Further information on handling

Take off immediately all contaminated clothing and wash it before reuse.  
If handled uncovered, arrangements with local exhaust ventilation have to be used.  
Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### Hints on joint storage

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

##### Further information on storage conditions

Corrosive to metals.  
Unsuitable container/equipment material: Metal

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

Laboratory use Laboratory chemical

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

| CAS No    | Substance     | ppm  | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category      | Origin |
|-----------|---------------|------|-------------------|---------------------|---------------|--------|
| 64-17-5   | Ethyl alcohol | 1000 | -                 |                     | STEL (15 min) |        |
| 7697-37-2 | Nitric acid   | 1    | 2.6               |                     | STEL (15 min) |        |

##### DNEL/DMEL values

| CAS No  | Substance                | Exposure route | Effect   | Value                 |
|---------|--------------------------|----------------|----------|-----------------------|
| 64-17-5 | ethanol                  |                |          |                       |
|         | Worker DNEL, long-term   | inhalation     | systemic | 950 mg/m <sup>3</sup> |
|         | Worker DNEL, long-term   | dermal         | systemic | 343 mg/kg bw/day      |
|         | Consumer DNEL, long-term | inhalation     | systemic | 114 mg/m <sup>3</sup> |
|         | Consumer DNEL, long-term | dermal         | systemic | 206 mg/kg bw/day      |
|         | Consumer DNEL, long-term | oral           | systemic | 87 mg/kg bw/day       |

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**PNEC values**

| CAS No   | Substance |            |
|--|-----------|------------|
| Environmental compartment                        |           | Value      |
| 64-17-5  | ethanol   |            |
| Freshwater                                       |           | 0,96 mg/l  |
| Freshwater (intermittent releases)               |           | 2,75 mg/l  |
| Marine water                                     |           | 0,79 mg/l  |
| Freshwater sediment                              |           | 3,6 mg/kg  |
| Marine sediment                                  |           | 2,9 mg/kg  |
| Secondary poisoning                              |           | 380 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) |           | 580 mg/l   |
| Soil   |           | 0,63 mg/kg |

**8.2. Exposure controls**

**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Suitable eye protection: goggles.

**Hand protection**

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: [vertrieb@kcl.de](mailto:vertrieb@kcl.de) With specification (test according to EN374):

By long-term hand contact

Trade name/designation: KCL 897 Butoject®

Suitable material: Butyl caoutchouc (butyl rubber) 0,3 mm

Wearing time with permanent contact: > 480 min

By short-term hand contact

Trade name/designation: KCL 720 Camapren®

Suitable material: CR (polychloroprene, chloroprene rubber) 0,65 mm

Wearing time with occasional contact (splashes): > 30 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet (>, <) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

**Skin protection**

Flame-retardant protective clothing. Wear anti-static footwear and clothing

Material, acid-resistant

**Respiratory protection**

Respiratory protection necessary at: aerosol or mist formation

**Environmental exposure controls**

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

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**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

|   |                   |                                  |
|---|-------------------|----------------------------------|
| Physical state:   | Liquid            |                                  |
| Colour:   | colourless        |                                  |
| Odour:  | stinging          |                                  |
| Odour threshold:  | No data available |                                  |
| Melting point/freezing point:                             |                   | No data available                |
| Boiling point or initial boiling point and boiling range: |                   | No data available                |
| Flammability:   |                   | not applicable<br>not applicable |
| Lower explosion limits:                                   |                   | No data available                |
| Upper explosion limits:                                   |                   | No data available                |
| Flash point:  |                   | <21 °C                           |
| Auto-ignition temperature:                                |                   | No data available                |
| Decomposition temperature:                                |                   | not determined                   |
| pH-Value:   |                   | acidic                           |
| Viscosity / kinematic:                                    |                   | No data available                |
| Water solubility:   |                   | No data available                |
| Solubility in other solvents                              |                   | not determined                   |
| Partition coefficient n-octanol/water:                    |                   | No data available                |
| Vapour pressure:  |                   | No data available                |
| Vapour pressure:  |                   | No data available                |
| Density:  |                   | 0,8327 g/cm <sup>3</sup>         |
| Bulk density:   |                   | No data available                |
| Relative vapour density:                                  |                   | No data available                |

**9.2. Other information**

**Information with regard to physical hazard classes**

|   |                       |
|---|-----------------------|
| Explosive properties                          |                       |
| Vapours can form explosive mixtures with air. |                       |
| Sustaining combustion:                        | Sustaining combustion |
| Self-ignition temperature                     |                       |
| Solid:  | not applicable        |
| Gas:  | not applicable        |
| Oxidizing properties                          |                       |
| Not oxidising.                                |                       |

**Other safety characteristics**

|                          |                   |
|--------------------------|-------------------|
| Evaporation rate:        | No data available |
| Solvent separation test: | No data available |
| Solvent content:         | No data available |
| Solid content:           | No data available |
| Sublimation point:       | No data available |
| Softening point:         | No data available |
| Pour point:              | No data available |
| No data available:       |                   |
| Viscosity / dynamic:     | No data available |
| Flow time:               | No data available |

**Further Information**

Corrosive to metals.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Highly flammable.  
Vapours can form explosive mixtures with air.  
Corrosive to metals.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Oxidising agent  
Alkali (lye)

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**10.5. Incompatible materials**

Metal  
Plastic articles  
Rubber articles

**10.6. Hazardous decomposition products**

In case of fire may be liberated:  
SECTION 5: Firefighting measures

**Further information**

No data available

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Toxicokinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.

**Acute toxicity**

Based on available data, the classification criteria are not met.  
If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).  
Irritating to respiratory system.  
Pulmonary oedema

| CAS No    | Chemical name           |                  |         |                     |                    |
|-----------|-------------------------|------------------|---------|---------------------|--------------------|
|           | Exposure route          | Dose             | Species | Source              | Method             |
| 64-17-5   | ethanol                 |                  |         |                     |                    |
|           | oral                    | LD50 10470 mg/kg | Rat     | Study report (1976) | OECD Guideline 401 |
|           | inhalation (4 h) vapour | LC50 124,7 mg/l  | Rat     | Study report (1980) | OECD Guideline 403 |
| 7697-37-2 | nitric acid             |                  |         |                     |                    |
|           | inhalation vapour       | ATE 2,65 mg/l    |         |                     |                    |

**Irritation and corrosivity**

Causes severe skin burns and eye damage.  
Causes serious eye damage.

**Sensitising effects**

Based on available data, the classification criteria are not met.



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#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Specific effects in experiment on an animal**

There are no data available on the preparation/mixture itself.

#### **Additional information on tests**

There are no data available on the preparation/mixture itself.

#### **Practical experience**

There are no data available on the preparation/mixture itself.

### **11.2. Information on other hazards**

#### **Other information**

Causes burns.

Irritant

Cough

Dyspnoea

Dizziness

The product causes narcotic-like effects.

Inebriation

Vomiting

Methaemoglobinaemia

Risk of serious damage to eyes.

#### **Further information**

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

There are no data available on the preparation/mixture itself.

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| CAS No    | Chemical name            |                |           |         |  |  |
|-----------|--------------------------|----------------|-----------|---------|--|--|
|           | Aquatic toxicity         | Dose           | [h]   [d] | Species | Source   | Method   |
| 64-17-5   | ethanol                  |                |           |         |  |  |
|           | Acute fish toxicity      | LC50<br>mg/l   | 15400     | 96 h    | Lepomis macrochirus                                | Bulletin of Environmental Contamination<br>other: EPA-660/3-75-009, 1975             |
|           | Acute algae toxicity     | ErC50<br>mg/l  | ca. 22000 | 96 h    | Pseudokirchneriella subcapitata                    | Ecotoxicology and Environmental Safety 7<br>OECD Guideline 201                       |
|           | Acute crustacea toxicity | EC50<br>mg/l   | > 10000   | 48 h    | Daphnia magna                                      | Water Research 23(4): 495-499 (1989)<br>other: DIN 38412 Teil 11                     |
|           | Algae toxicity           | NOEC<br>mg/l   | 5400      | 5 d     | Skeletonema costatum                               | Environ Toxicol Chem 8(5):451-455. (1989)<br>Study to determine the sensitivity of a |
|           | Crustacea toxicity       | NOEC           | 2 mg/l    | 10 d    | Ceriodaphnia dubia                                 | Arch Environ Contam Toxicol 20(2):211-21<br>Follows the basic methodology for the th |
| 7697-37-2 | nitric acid              |                |           |         |  |  |
|           | Acute fish toxicity      | LC50<br>mg/l   | 1559      | 96 h    | Topeka shiner                                      | Environmental Toxicology and Chemistry,<br>other: ASTM E729-26                       |
|           | Fish toxicity            | NOEC           | 268 mg/l  | 30 d    | juvenile Topeka shiner and with juvenile Fathead m | Study report (2009)<br>Growth tests estimated the test chemical                      |
|           | Algae toxicity           | NOEC<br>mg/l   | > 419     | 10 d    | several benthic diatoms; see results               | Marine Biology 43:307-315 (1977)<br>Ten cultures of benthic diatoms were iso         |
|           | Acute bacteria toxicity  | (EC50<br>mg/l) | > 1000    | 3 h     | Activated sludge                                   | Study report (2008)<br>OECD Guideline 209  |

**12.2. Persistence and degradability**

There are no data available on the preparation/mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the preparation/mixture itself.

**Partition coefficient n-octanol/water**

| CAS No  | Chemical name | Log Pow |
|---------|---------------|---------|
| 64-17-5 | ethanol       | -0,77   |

**BCF**

| CAS No  | Chemical name | BCF | Species         | Source               |
|---------|---------------|-----|-----------------|----------------------|
| 64-17-5 | ethanol       | 1   | Cyprinus carpio | Comparative Biochemi |

**12.4. Mobility in soil**

There are no data available on the preparation/mixture itself.

**12.5. Results of PBT and vPvB assessment**

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

There are no data available on the preparation/mixture itself.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

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Discharge into the environment must be avoided.

**Further information**

Do not allow to enter into surface water or drains.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Send to a physico-chemical treatment facility under observation of official regulations.

Do not empty into drains.

**Contaminated packaging**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | UN 2924  |
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ethanol, nitric acid) |
| <b>14.3. Transport hazard class(es):</b> | 3  |
| <b>14.4. Packing group:</b>              | II   |
| Hazard label:                            | 3+8  |
| Classification code:                     | FC   |
| Special Provisions:                      | 274  |
| Limited quantity:                        | 1 L  |
| Excepted quantity:                       | E2   |
| Transport category:                      | 2  |
| Hazard No:                               | 338  |
| Tunnel restriction code:                 | D/E  |

**Inland waterways transport (ADN)**

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | UN 2924  |
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ethanol, nitric acid) |
| <b>14.3. Transport hazard class(es):</b> | 3  |
| <b>14.4. Packing group:</b>              | II   |
| Hazard label:                            | 3+8  |
| Classification code:                     | FC   |
| Special Provisions:                      | 274  |
| Limited quantity:                        | 1 L  |
| Excepted quantity:                       | E2   |

**Marine transport (IMDG)**

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | UN 2924  |
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ethanol, Nitric acid) |
| <b>14.3. Transport hazard class(es):</b> | 3  |
| <b>14.4. Packing group:</b>              | II   |
| Hazard label:                            | 3+8  |
| Special Provisions:                      | 274  |
| Limited quantity:                        | 1 L  |
| Excepted quantity:                       | E2   |
| EmS:                                     | F-E, S-C   |

**Air transport (ICAO-TI/IATA-DGR)**

|                                      |         |
|--------------------------------------|---------|
| <b>14.1. UN number or ID number:</b> | UN 2924 |
|--------------------------------------|---------|

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Salpetersäure 7 Vol.-% (70 ml Salpetersäure 65%/l) reinst, in Ethanol vergällt**

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|  |  |  |
|--|--|--|
| <b>14.2. UN proper shipping name:</b>    | FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ethanol, Nitric acid) |  |
| <b>14.3. Transport hazard class(es):</b> | 3  |  |
| <b>14.4. Packing group:</b>              | II   |  |
| Hazard label:                            | 3+8  |  |
| Special Provisions:                      | A3   |  |
| Limited quantity Passenger:              | 0.5 L  |  |
| Passenger LQ:                            | Y340   |  |
| Excepted quantity:                       | E2   |  |
| IATA-packing instructions - Passenger:   | 352  |  |
| IATA-max. quantity - Passenger:          | 1 L  |  |
| IATA-packing instructions - Cargo:       | 363  |  |
| IATA-max. quantity - Cargo:              | 5 L  |  |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Warning: Combustible liquid.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information**

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

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 1 - slightly hazardous to water

**SECTION 16: Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 2,9.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

| Classification      | Classification procedure |
|---------------------|--------------------------|
| Met. Corr. 1; H290  | On basis of test data    |
| Flam. Liq. 2; H225  | On basis of test data    |
| Skin Corr. 1B; H314 | Calculation method       |
| Eye Dam. 1; H318    | Calculation method       |

**Relevant H and EUH statements (number and full text)**

|        |  |
|--------|--|
| H225   | Highly flammable liquid and vapour.      |
| H272   | May intensify fire; oxidiser.            |
| H290   | May be corrosive to metals.              |
| H314   | Causes severe skin burns and eye damage. |
| H318   | Causes serious eye damage.               |
| H319   | Causes serious eye irritation.           |
| H331   | Toxic if inhaled.                        |
| EUH071 | Corrosive to the respiratory tract.      |

**Further Information**

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. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*