

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 08.11.2013

Version number 4

Revision: 08.11.2013

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

· **1.1 Product identifier**

· **Trade name:** 1,2- Spray Liquid

· **Article number:**

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No information available.

· **Application of the substance / the mixture** Cleaning material/ Detergent

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

· **Manufacturer/Supplier:**

Vileda GmbH

Im Technologiepark 19

D-69469 Weinheim

phone: +49 (0)6201- 80- 87- 1000

FHP Export GmbH

Im Technologiepark 19

D-69469 Weinheim

phone: +49 (0)6201- 80- 87- 1000

Joh. Alex. Niernsee KG

A-1053 Wien

phone: +43- 15444- 666- 64

Promena AG

CH-4133 Pratteln

phone: +41- 6181- 66- 161

· **Further information obtainable from:**

Herr Dr. Christian Mast

phone: +49 (0)6201- 80- 7892

Email: christian.mast@fhp-ww.com

Competent Person in accordance with Regulation (EU) No. 453/2010

Phone: +49- (6201) - 80- 3617

Email: ffd.sdb@freudenberg.de

· **1.4 Emergency telephone number:**

Plant fire department

Phone: +49- (6201) - 80- 112

Phone: +49- (6201) - 80- 3000

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2 Hazards identification

· **2.1 Classification of the substance or mixture**

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

· **Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements
Labelling according to EU guidelines:

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Special labelling of certain preparations:

Safety data sheet available for professional user on request.

2.3 Other hazards
Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures Aqueous cleaning solution

Dangerous components:

CAS: 64-17-5

ethanol

2.5-10%

EINECS: 200-578-6



F R11

Index number: 603-002-00-5



Flam. Liq. 2, H225

4 First aid measures

4.1 Description of first aid measures
General information:

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

Immediately remove any clothing soiled by the product.

After inhalation:

Fresh air. If breathing stops: immediately apply mechanical ventilation, if necessary, oxygen supply.

Call a doctor immediately.

After skin contact:

Lotion if possible.

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Seek medical treatment.

Rinse out mouth and then drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor: Show the MSDS to the doctor
4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.
- **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Prevent formation of aerosols.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Traces of flammable substances may collect in the steam chamber of enclosed systems. Keep clear of ignition sources.
Fumes can combine with air to form an explosive mixture.
Do not spray onto a naked flame or any incandescent material.
When heated the product forms flammable fumes.
Protect from heat.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Store in a cool location.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
- **Further information about storage conditions:**
Protect from frost.

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Protect from heat and direct sunlight.

Keep container tightly sealed.

- **Storage class:** 3 - Flammable liquid substances (VCI- concept)
- **7.3 Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical facilities:**

No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

64-17-5 ethanol

WEL (Great Britain) Long-term value: 1920 mg/m³, 1000 ppm

- **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Do not inhale gases / fumes / aerosols.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

- **Respiratory protection:** Breathing protection in case of gases / vapors / aerosols.

· **Protection of hands:**



Protective gloves

Gloves after examination DIN EN 374 (protective gloves against chemicals and microorganism)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves** Natural rubber, NR

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

Safety goggles in according to DIN EN 166.

- **Body protection:** Protective work clothing

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9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:	0 °C
Boiling point/Boiling range:	100 °C (water)

· Flash point: 59.5 °C (DIN EN ISO 2719)

· Flammability (solid, gaseous): Not determined.

· Ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20 °C: 23 hPa (calculated)

· Density at 20 °C: 1 g/cm³

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Fully miscible.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic:	not determinate
Kinematic:	Not applicable.

· Solvent content:

Organic solvents:	5.0 %
Water:	94.8 %

· 9.2 Other information: No further relevant information available.

10 Stability and reactivity

· 10.1 Reactivity: No further relevant information available.

· 10.2 Chemical stability: stable under normal temperature conditions

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- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Avoid heat, flames, sparks and other sources of ignition.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
No dangerous decomposition products known.

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11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
64-17-5 ethanol
Oral LD50 7060 mg/kg (rat (Ratte))
Inhalative LC50/4 h 39 mg/l (mouse (Maus))
117-125 mg/l (rat (Ratte)) (OECD 403)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**
64-17-5 ethanol
 $EC_{50} > 1000$ mg/L (*Daphnia magna* (Wasserfloh)) (DIN 38412 T.11)
 LC_{50} (48h) 8140 mg/L (*Leucisus idus* (Goldorfe)) (IUCLID)
- **12.2 Persistence and degradability**
64-17-5 ethanol
 BSB_5 0.93-1.67 g O₂ (-) (Literatur)
 CSB 1.99 g O₂ (-) (Literatur)
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **14.1 UN-Number**
- **ADR, IMDG** UN1993
- **14.2 UN proper shipping name**
- **ADR** 1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (ETHANOL (ETHYL ALCOHOL))
- **IMDG** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))
- **14.3 Transport hazard class(es)**
- **ADR, IMDG**
- 
- **Class** 3 Flammable liquids.
- **Label** 3
- **14.4 Packing group**
- **ADR, IMDG** III
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Warning: Flammable liquids.
No further information available
- **Danger code (Kemler):** 30
- **EMS Number:** F-E, S-E
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

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· Transport/Additional information:

- **ADR**
- **Limited quantities (LQ)** 5L
- **Transport category** 3
- **Tunnel restriction code** D/E

15 Regulatory information

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

No further relevant information available.

· National regulations:
· Technical instructions (air):
· Class Share in %

· **Water** 94,8

· **NK** 5,0

· Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.
according to Annex 4 No. 3 VwVwS 17.05.1999

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Reason for revision Revision.

· Relevant phrases

H225 Highly flammable liquid and vapour.

R11 Highly flammable.

· Department issuing MSDS:

Freudenberg Forschungsdienste SE & Co. KG

Chemietechnikum

Höhnerweg 2- 4

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Phone: +49- (0)6201 - 80- 4378

Email: ffd.sdb@freudenberg.de

· Notice to reader The manufacturer's instructions for use must be observed.

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