

1 Identification of substance

- **Product details**

- **Trade name:** STAUF Cleaning Agent
- *Application of the substance / the preparation* Cleaning material/ Detergent

- **Europe:**

Stauf Klebstoffwerk GmbH
 Oberhausener Strasse 1
 57234 Wilnsdorf
 Federal Republik of Germany
 Phone: 01149-273-930-1100
 Fax: 01149-273-930-1200

- **Emergency information:** CHEMTREC 1-800-424-9300 (USA) 1-703-527-3887 (International)

2 Composition/Data on components

- **Chemical characterization:**

- **CAS No. Description**
64-17-5 ethanol
- **Identification number(s)** not available
- *EINECS Number:* 200-578-6
- *EU Number:* 603-002-00-5

3 Hazards identification

- **Hazard description:**



F Flammable

- **Information pertaining to particular dangers for man and environment:**

Flammable.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 3
 Fire = 3
 Reactivity = 0

- **WHMIS-ratings (scale 0 - 4)**



Health = 3
 Fire = 3
 Reactivity = 0

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complications.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 2)

Trade name: STAUF Cleaning Agent

- **Protective equipment:** No special measures required.

(Contd. of page 1)

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Prevent seepage into sewage system, workpits and cellars.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Prevent impact and friction.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol

PEL	1900 mg/m ³ , 1000 ppm
REL	1900 mg/m ³ , 1000 ppm
TLV	1880 mg/m ³ , 1000 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
- **Protection of hands:**
- *Material of gloves*
Butyl rubber, BR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- *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.

(Contd. on page 3)

Trade name: STAUF Cleaning Agent

(Contd. of page 2)

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form: Fluid
Color: Colorless
Odor: Alcohol-like

· **Change in condition**

Boiling point/Boiling range: 78 °C (172 °F)

· **Flash point:** 13 °C (55 °F)

· **Ignition temperature:** 425 °C (797 °F)

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

· **Explosion limits:**

Lower: 3.5 Vol %
Upper: 15 Vol %

· **Vapor pressure at 20 °C (68 °F):** 59 hPa (44 mm Hg)

· **Density at 20 °C (68 °F):** 0.79 g/cm³

· **Solubility in / Miscibility with**

Water at 20 °C (68 °F): 1.000 g/l
Organic solvents: 100.0 %
VOC Content: 100.0 %
 790.0 g/l

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

64-17-5 ethanol

Oral	LD50	7060 mg/kg (rat)
Inhalative	LC50/4 h	20000 mg/l (rat)

· **Primary irritant effect:**

· *on the skin:* No irritant effect.

· *on the eye:* No irritating effect.

· **Sensitization:** No sensitizing effects known.

Trade name: STAUF Cleaning Agent

(Contd. of page 3)

12 Ecological information

· **General notes:**

Water hazard class 1 (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· **DOT regulations:**



- *Hazard class:* 3
- *Identification number:* UN1170
- *Packing group:* II
- *Hazardous substance:* 2 lbs, 0,908 kg
- *Proper shipping name (technical name):* ETHANOL (ETHYL ALCOHOL)
- *Label:* 3

· **Land transport ADR/RID (cross-border):**



- **ADR/RID class:** 3 Flammable liquids
- **Danger code (Kemler):** 33
- **UN-Number:** 1170
- *Packaging group:* II
- **Description of goods:** 1170 ETHANOL (ETHYL ALCOHOL)

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1170
- *Label:* 3
- **Packaging group:** II
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No

(Contd. on page 5)

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Trade name: STAUF Cleaning Agent

(Contd. of page 4)

· **Proper shipping name:** ETHANOL (ETHYL ALCOHOL)

· **Air transport ICAO-TI and IATA-DGR:**



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1170
 · **Label:** 3
 · **Packaging group:** II
 · **Proper shipping name:** ETHANOL (ETHYL ALCOHOL)

15 Regulations

· **Sara**

· *Section 355 (extremely hazardous substances):*

Substance is not listed.

· *Section 313 (Specific toxic chemical listings):*

Substance is not listed.

· **TSCA (Toxic Substances Control Act):**

Substance is listed.

· **Proposition 65**

· *Chemicals known to cause cancer:*

Substance is not listed.

· *Chemicals known to cause reproductive toxicity:*

Substance is not listed.

· **Canadian Ingredient disclosure list**

· *Limit 0,1%*

Substance is listed.

· *Limit 1%*

Substance is not listed.

· **Carcinogenicity categories**

· *EPA (Environmental Protection Agency)*

Substance is not listed.

· *IARC (International Agency for Research on Cancer)*

Substance is not listed.

· *NTP (National Toxicology Program)*

Substance is not listed.

· *TLV (Threshold Limit Value established by ACGIH)*

A4

· *MAK (German Maximum Workplace Concentration)*

5

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

Substance is not listed.

· *OSHA-Ca (Occupational Safety & Health Administration)*

Substance is not listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

(Contd. on page 6)

Trade name: STAUF Cleaning Agent

(Contd. of page 5)

· **Hazard symbols:**



F Flammable

· **Risk phrases:**

Flammable.

· **Safety phrases:**

Keep out of the reach of children.

Keep container tightly closed.

Keep away from sources of ignition - No smoking.

· **National regulations:**

· **Technical instructions (air):**

<i>Class</i>	<i>Share in %</i>
NK	50-100

· **Water hazard class:** Water hazard class 1 (Assessment by list): slightly hazardous for water.

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.

· **Department issuing MSDS:**

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