

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 27.11.2009

Revision: 27.11.2009

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

- **Product details**
- **Trade name:** **F1 CLEAN FASSADENREINIGER**
- **Application of the substance / the preparation** Cleaning material/ Detergent
- **Manufacturer/Supplier:**
 Detlef Francé
 F1 CLEAN EUROPA VERTRIEB
 Mühlenstr. 11 e
 84174 Eching
 Tel.: 0049 8709/928352
 Fax: 0049 8709/928353
 Mobil: 0049 151/56910460
 vertrieb@f1clean.info
 www.f1clean.info
- **Further information obtainable from:** vertrieb@f1clean.info
- **Information in case of emergency:** 112

2 Hazards identification

- **Hazard description:**



Xi Irritant

- **Information concerning particular hazards for human and environment:**
 The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 R 37/38 Irritating to respiratory system and skin.
 R 41 Risk of serious damage to eyes.
- **Classification system:**
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 141-43-5 EINECS: 205-483-3	2-aminoethanol	C, Xi; R 20/21/22-34	5 < 10%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol	Xi, Xi; R 20/21/22-36/38	5 < 10%
CAS: 9043-30-5	ISOTRIDEETH-5	Xi; R 41	2.5 < 5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** 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.

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· **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** 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:**
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

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

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

141-43-5 2-aminoethanol

WEL	Short-term value: 7.6 mg/m ³ , 3 ppm
	Long-term value: 2.5 mg/m ³ , 1 ppm
Sk	

111-76-2 2-butoxyethanol

WEL	Short-term value: 50 ppm
	Long-term value: 25 ppm
Sk	

- **Additional information:** The lists valid during the making 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.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.

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· **Protection of hands:**

Protective gloves

· **Material of gloves**

Butyl rubber, BR

Neoprene gloves

Recommended thickness of the material: $\geq 0.4 \text{ mm}$ · **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.

· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Plastic gloves

PVC gloves

· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range:	0°C
Boiling point/Boiling range:	100°C

· **Flash point:** Not applicable.· **Ignition temperature:** 240°C· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.· **Vapour pressure at 20°C:** 23 hPa· **Density at 20°C:** 1.028 g/cm³· **Solubility in / Miscibility with water:** Easily soluble.· **pH-value at 20°C:** 12· **Viscosity:**
Kinematic at 20°C: 10 s (DIN 53211/4)

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

141-43-5 2-aminoethanol

Oral	LD50	2050 mg/kg (rat)
Dermal	LD50	1000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 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.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

- **Product:**

- **Recommendation**

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

- **Uncleaned packaging:**

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

14 Transport information

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

· **ADR/RID class:** -

- **Maritime transport IMDG:**

· **IMDG Class:** -

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 · **Marine pollutant:** No

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

 · **ICAO/IATA Class:** -

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15 Regulatory information

 · **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

 · **Code letter and hazard designation of product:**

Xi Irritant

 · **Risk phrases:**

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

 · **Safety phrases:**

2 Keep out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

46 If swallowed, seek medical advice immediately and show this container or label.

59 Refer to manufacturer/supplier for information on recovery/recycling.

39 Wear eye/face protection.

 · **National regulations:**

 · **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

non-ionic surfactants	5 - 15%
phosphates, soap, perfumes ((R)-p-mentha-1,8-diene, CITRONELLOL, LINALOOL)	< 5%

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.

 · **Relevant R-phrases**

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

36/38 Irritating to eyes and skin.

41 Risk of serious damage to eyes.

 · *** Data compared to the previous version altered.**

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