

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.10.2009

Revision: 08.10.2009

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

- **Product details**
- **Trade name:**
Entkalkungsmittel
F1 CLEAN CARWASH AntiCalc Plus 90
Konzentrierter saurer Schaumreiniger
- **Application of the substance / the preparation** Deliming agent
- **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:**



C Corrosive

- **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 34 Causes burns.
- **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: 64-18-6 EINECS: 200-579-1	formic acid C; R 35	20 < 25%
	ISOTRIDECEETH-10 Xi, Xn; R 22-41	2.5 < 5%
	Phosphorsäuremonomethylester C; R 34	2.5 < 5%
	DISODIUM COCO AMPHODIACETATE Xi; R 36	≤ 2.5%

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

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4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

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:** Wear protective equipment. Keep unprotected persons away.
- **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).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **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:**

64-18-6 formic acid

WEL Long-term value: 9,6 mg/m³, 5 ppm

- **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 eyes and skin.

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- **Respiratory protection:** *Not necessary if room is well-ventilated.*
- **Protection of hands:**



Protective gloves

- **Material of gloves:** *Rubber gloves*
- **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.
- **As protection from splashes gloves made of the following materials are suitable:**
Rubber gloves
PVC gloves
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· General Information

Form:	<i>Fluid</i>
Colour:	<i>Red</i>
Odour:	<i>Characteristic</i>

· Change in condition

Melting point/Melting range:	<i>0°C</i>
Boiling point/Boiling range:	<i>100°C</i>

· **Flash point:** *Not applicable.*

· **Ignition temperature:** *520°C*

· **Self-igniting:** *Product is not selfigniting.*

· **Danger of explosion:** *Product does not present an explosion hazard.*

· **Vapour pressure at 20°C:** *43 hPa*

· **Density at 20°C:** *1.077 g/cm³*

· **Solubility in / Miscibility with water:** *Easily soluble.*

· **pH-value at 20°C:** *1*

· **Viscosity:**
Kinematic at 20°C: *7 s (DIN 53211/4)*

10 Stability and reactivity

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

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

11 Toxicological information

· **Acute toxicity:**· **LD/LC50 values relevant for classification:****64-18-6 formic acid**

Oral	LD50	1100 mg/kg (rat)
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· **Primary irritant effect:**· **on the skin:** Caustic effect on skin and mucous membranes.· **on the eye:** Strong caustic effect.· **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:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values.

A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, 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:** 8 Corrosive substances.· **Danger code (Kemler):** 80· **UN-Number:** 3265

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· **Packaging group:** III
 · **Hazard label:** 8
 · **Description of goods:** 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (formic acid, Phosphorsäuremonomethylester)

· **Maritime transport IMDG:**

· **IMDG Class:** 8
 · **UN Number:** 3265
 · **Label:** 8
 · **Packaging group:** III
 · **EMS Number:** F-A,S-B
 · **Marine pollutant:** No
 · **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FORMIC ACID, Phosphorsäuremonomethylester)

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

· **ICAO/IATA Class:** 8
 · **UN/ID Number:** 3265
 · **Label:** 8
 · **Packaging group:** III
 · **Proper shipping name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (FORMIC ACID, Phosphorsäuremonomethylester)

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:**

C Corrosive

· **Hazard-determining components of labelling:**

formic acid

· **Risk phrases:**

34 Causes burns.

· **Safety phrases:**

- 1/2 Keep locked up and out of the reach of children.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 56 Dispose of this material and its container to hazardous or special waste collection point.

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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

22 Harmful if swallowed.

34 Causes burns.

35 Causes severe burns.

36 Irritating to eyes.

41 Risk of serious damage to eyes.

· * Data compared to the previous version altered.

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