

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 14.08.2015

Version number 3

Revision: 18.06.2015

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

**Trade name** Facade Cleaner Paste

**Article number:** 0666

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

**Application of the substance / the mixture** Cleaning agent/ Cleaner

##### 1.3 Details of the supplier of the safety data sheet

###### Manufacturer/Supplier:

Remmers Baustofftechnik GmbH  
Postfach 1255  
D-49624 Lönigen / Germany  
Tel.: +49(0)5432/83-0  
Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit B1 The Fleming Centre  
West Sussex RH10 9NN  
fon +44 (0) 1293 594 010  
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###### Informing department:

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010  
E-Mail: sales@remmers.co.uk

##### 1.4 Emergency telephone number:

during working hours:  
U.K.: Tel.: +44 (0) 1293 594 010  
sales@remmers.co.uk  
Head Office Germany: Tel.: +49 (0)5432 83 187  
info@remmers.de  
after working hours: Tel.: +49 (0)171 21 34 091

#### SECTION 2: Hazards identification

##### 2.1 Classification of the substance or mixture

###### Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H302 Harmful if swallowed.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

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###### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

C; Corrosive

R34: Causes burns.

Xn; Harmful

R22: Harmful if swallowed.

###### 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.

###### Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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##### 2.2 Label elements

###### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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**Hazard pictograms**

GHS05 GHS07

**Signal word** Danger**Hazard-determining components of labelling:**

ammonium hydrogendifluoride

**Hazard statements**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture of the substances listed below with harmless additions.**Dangerous components:**

CAS: 1341-49-7	ammonium hydrogendifluoride	5-10%
EINECS: 215-676-4	T R25; C R34	
Index number: 009-009-00-4	Acute Tox. 3, H301; Skin Corr. 1B, H314	

**Additional information** For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**After inhalation** Seek medical treatment in case of complaints.**After skin contact**

Wash immediately with water and soap and rinse thoroughly.

Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

**After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.**After swallowing**

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

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Drink plenty of water and provide fresh air. Call a doctor immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents**

Water mist

Foam

Carbon dioxide

Fire-extinguishing powder

**5.2 Special hazards arising from the substance or mixture**

May be released in case of fire

Hydrogen fluoride (HF)

**5.3 Advice for firefighters**

**Protective equipment:**

Wear self-contained breathing apparatus.

Wear full protective suit.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:** Do not allow to enter the ground/soil.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

**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 information on disposal.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Avoid contact with skin and eyes.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of aerosols.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage**

**Requirements to be met by storerooms and containers:** No special requirements.

**Information on storage in a common storage facility:** none

**Further information about storage conditions:**

Protect from frost.

Keep container tightly closed.

**7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

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

#### 8.1 Control parameters

##### Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during compilation were used as a basis.

#### 8.2 Exposure controls

##### Personal protective equipment

##### General protective and hygienic measures

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Be sure to clean skin thoroughly before pauses and after work.

Keep away from food, beverages and animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Avoid contact with eyes and skin.

##### Respiratory equipment:

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

##### Protection of hands:

Protective gloves.

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

Chloroprene rubber, CR

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### Penetration time of glove material

Break through time: max. 240 min (DIN EN 374).

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

**Eye protection:** Tightly sealed safety glasses.

**Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

##### Appearance:

<b>Form:</b>	Pasty
<b>Colour:</b>	Clear
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

**pH-value at 20 °C:** 5.0

##### Change in condition

<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	100 °C

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<b>Flash point:</b>	Not applicable
<b>Inflammability (solid, gaseous)</b>	Not applicable.
<b>Ignition temperature:</b>	not applicable
<b>Decomposition temperature:</b>	Not determined.
<b>Self-inflammability:</b>	Product is not self-igniting.
<b>Danger of explosion:</b>	Product is not explosive.
<b>Explosive Limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density at 20 °C</b>	ca. 1.04 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix
<b>Distribution coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>dynamic at 23 °C:</b>	ca. 1200 mPas
<b>kinematic:</b>	Not determined.
<b>Solvent separation test</b>	< 3 %
<b>Solvent content:</b>	0.00 %
<b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** Reacts with strong acids

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** Hydrogen fluoride

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

Harmful if swallowed.

#### LD/LC50 values that are relevant for classification:

##### ATE (Acute Toxicity Estimates)

Oral	LD50	1368 mg/kg (Ratte)
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##### 1341-49-7 ammonium hydrogendifluoride

Oral	LD50	130 mg/kg (Ratte)
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#### Primary irritant effect:

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

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**Serious eye damage/irritation**

Causes serious eye damage.

**Sensitisation:** Based on available data, the classification criteria are not met.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** 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.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Do not allow product to reach ground water, bodies of water or sewage system.

Do not allow undiluted or non-neutralised product to reach the sewage system or receiving waters.

Do not allow undiluted or larger quantities of the product to reach ground water, bodies of water or sewage system.

**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

After prior treatment, the product must be brought to an approved dump or incinerator for hazardous waste in compliance with regulations on the disposal of hazardous waste.

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

Do not dispose of together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue**

06 03 14 | solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number****ADR, IMDG, IATA**

UN1760

**14.2 UN proper shipping name****ADR**

1760 CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROGENDIFLUORIDE)

**IMDG, IATA**

CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROGENDIFLUORIDE)

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**14.3 Transport hazard class(es)****ADR**

**Class** 8 (C9) Corrosive substances.  
**Label** 8

**IMDG, IATA**

**Class** 8 Corrosive substances.  
**Label** 8

**14.4 Packing group**

**ADR, IMDG, IATA** III

**14.5 Environmental hazards:**

**Marine pollutant:** -  
No

**14.6 Special precautions for user**

**Warning:** Corrosive substances.  
**Kemler Number:** 80  
**EMS Number:** F-A,S-B  
**Segregation groups** Acids

**14.7 Transport in bulk according to Annex II of**

**Marpol and the IBC Code** Not applicable.

**Transport/Additional information:****ADR**

**Limited quantities (LQ)** 5L  
**Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

**Transport category****Tunnel restriction code**

3

E

**IMDG**

**Limited quantities (LQ)** 5L  
**Excepted quantities (EQ)** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

**UN "Model Regulation":**

UN1760, CORROSIVE LIQUID, N.O.S. (AMMONIUM  
 HYDROGENDIFLUORIDE), 8, III

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

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**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

**Relevant phrases**

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

R25 Toxic if swallowed.

R34 Causes burns.

**Department issuing data specification sheet:** Product Safety department / EHS**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 Harmonised 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 (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1