



# SAFETY DATA SHEET

## ACIDETCH ACCELERATOR

Page: 1

Compilation date: 28/11/01

Revision date: 01/5/15

Revision No: 2

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

#### 1.1. Product identifier

**Product name:** ACIDETCH ACCELERATOR  
**CAS number:** 1341-49-7  
**EINECS number:** 215-676-4  
**Index number:** 009-009-00-4  
**Product code:** A1045

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

**Use of substance / mixture:** Acidic accelerator for Acidetch 12.

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

**Company name:** Confederate Chemicals Ltd  
Mochdre Industrial Estate  
Newtown  
Powys  
SY16 4LE  
**Tel:** 01686 627158  
**Fax:** 01686 627580  
**Email:** [lab@confederatechemicals.co.uk](mailto:lab@confederatechemicals.co.uk)

#### 1.4. Emergency telephone number

**Emergency tel:** 01686 627158

### Section 2: Hazards identification

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

**Classification under CLP:** Acute Tox. 3: H301; Skin Corr. 1B: H314

**Most important adverse effects:** Toxic if swallowed. Causes severe skin burns and eye damage.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H301: Toxic if swallowed.  
H314: Causes severe skin burns and eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion  
GHS06: Skull and crossbones



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# SAFETY DATA SHEET

## ACIDETCH ACCELERATOR

Page: 2

**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P330: Rinse mouth.  
P405: Store locked up.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** AMMONIUM BIFLUORIDE

**CAS number:** 1341-49-7

**EINECS number:** 215-676-4

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Apply Calcium Gluconate gel and seek medical attention. If Calcium Gluconate Gel is not available continue to wash with water, preferably iced, until Calcium Gluconate Gel is obtained. Obtain medical attention as soon as possible.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. If confined to the mouth, give plenty of water as a mouthwash ensuring that it is not swallowed. If swallowed give repeated doses of 6 Sanacol tablets in water. If unavailable give milk or water to drink. Obtain medical attention as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Irritation or pain may occur at the site of contact. Severe burns may occur.

**Eye contact:** There may be irritation and redness. There may be severe pain. Corneal burns may occur.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting. Blood may be vomited.

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# SAFETY DATA SHEET

## ACIDETCH ACCELERATOR

Page: 3

The breathing may become shallow and rapid. Severe poisoning can cause shock, unconsciousness and convulsions.

**Inhalation:** Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. Convulsions may occur.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Carbon dioxide. Water spray.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Toxic. Corrosive. In combustion emits toxic fumes of hydrogen fluoride.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Transfer to a suitable container for disposal or recovery. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Do not use glass.

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# SAFETY DATA SHEET

ACIDETCH ACCELERATOR

Page: 4

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Suitable respiratory protection must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles. Face-shield. Ensure eye bath is to hand.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

## Section 9: Physical and chemical properties

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

**State:** Crystals

**Colour:** White

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Also soluble in:** Ethanol.

**Melting point/range°C:** 125

**Relative density:** 1.5

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

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# SAFETY DATA SHEET

ACIDETCH ACCELERATOR

Page: 5

## 10.4. Conditions to avoid

## 10.5. Incompatible materials

**Materials to avoid:** Acids. Bases.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of hydrogen fluoride.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
ORL	RAT	LD50	130	mg/kg

#### Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 3)	ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** Irritation or pain may occur at the site of contact. Severe burns may occur.

**Eye contact:** There may be irritation and redness. There may be severe pain. Corneal burns may occur.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting. Blood may be vomited. The breathing may become shallow and rapid. Severe poisoning can cause shock, unconsciousness and convulsions.

**Inhalation:** Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. Convulsions may occur.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
FISH	96H LC50	5.9 - 7.5	mg/l

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**SAFETY DATA SHEET**  
ACIDETCH ACCELERATOR

Page: 6

**Hazardous ingredients:**

**AMMONIUM BIFLUORIDE**

FISH	96H LC50	5.9 - 7.5	mg/l
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**12.2. Persistence and degradability**

**Persistence and degradability:** Will persist in the form of insoluble fluorides.

**12.3. Bioaccumulative potential**

**12.4. Mobility in soil**

**Mobility:** Soluble in water.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Toxic to aquatic organisms. Toxic to fauna.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Dispose via an approved toxic waste disposal site by an authorised waste disposal contractor.

**Recovery operations:** Dispose of in accordance with local and national regulations.

**Disposal of packaging:** All residues must be removed from packaging prior to disposal as controlled waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1727

**14.2. UN proper shipping name**

**Shipping name:** AMMONIUM HYDROGENDIFLUORIDE, SOLID

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

**Transport class:** 8

**14.4. Packing group**

**Packing group:** II

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

[cont...]

**SAFETY DATA SHEET**  
ACIDETCH ACCELERATOR

Page: 7

**14.6. Special precautions for user**

**Special precautions:** No special precautions.

**Tunnel code:** E

**Transport category:** 2

**Section 15: Regulatory information**

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

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** Refer to the Manual Handling Operations Regulations 1992.

Store in accordance with HSE Guidance Note CS17.

Classed as special waste by the Hazardous Waste Regulations 2005.

Read in conjunction with the Technical Data sheet concerning use of the product.

**Phrases used in s.2 and s.3:** H301: Toxic if swallowed.

H314: Causes severe skin burns and eye damage.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.