

# Bauder PVC Cleaner – Tin

## safety data sheet as per 1907/2006 (REACH), Annex II

Revision date: May 2022      Supersedes : 18.06.2015

### Company Undertaking

Bauder Limited  
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Suffolk IP3 0DH England

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

#### 1.1. Product identifier

Product name	Bauder PVC Cleaner - Tin
Product number	AS0007, FP-001201, SOLUFIX 37
UFI	UFI: NM00-E0FT-900K-13AF
EU REACH registration number	01-2119475103-46-0017
CAS number	141-78-6
EU index number	607-022-00-5
EC number	205-500-4

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

Identified uses	Etchant/cleaner.
Uses advised against	No specific uses advised against are identified.

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

Supplier	Bauder Ltd 70 Landseer Road Ipswich Suffolk IP3 0DH Tel: +44 (0) 1473 257671
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#### 1.4. Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only).  
For medical advice, members of the public should contact NHS 111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (SI 2019 No. 720)

Physical hazards	Flam. Liq. 2 - H225
Health hazards	Eye Irrit. 2 - H319 STOT SE 3 -
H336Environmental hazards	Not Classified

### 2.2. Label elements

EC number	205-500-4
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#### Hazard pictograms



Signal word	Danger
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Hazard statements	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
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Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
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Contains	ETHYL ACETATE
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#### Supplementary precautionary statements

P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing vapour/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTRE/doctor if you feel unwell.  
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Ethyl acetate</b>	<b>60-100%</b>
CAS number: 141-78-6	EC number: 205-500-4
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination.
<b>Inhalation</b>	Move affected person to fresh air at once.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Vapours may cause drowsiness and dizziness. Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause chemical burns in mouth and throat.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Severe irritation, burning and tearing.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	The product is flammable. Heating may generate flammable vapours. The product is highly flammable.
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<b>Hazardous combustion products</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.
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### **5.3. Advice for firefighters**

<b>Protective actions during fire fighting</b>	Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.
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<b>Special protective equipment for firefighters</b>	Wear chemical protective suit.
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## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Eliminate all sources of ignition. Vapours may accumulate on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapours and spray/mists.
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### **7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep away from heat, sparks and open flame. Store in closed original container at temperatures between 5°C and 25°C.
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<b>Storage class</b>	Flammable liquid storage.
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### **7.3. Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## **SECTION 8: Exposure controls/Personal protection**

### **8.1. Control parameters**

#### **Occupational exposure limits**

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

#### **Ethyl acetate**

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

WEL = Workplace Exposure Limit.

#### **DNEL**

Workers - Inhalation; Short term systemic effects: 1468 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 1468 mg/m<sup>3</sup>

Consumer - Inhalation; Short term systemic effects: 734 mg/m<sup>3</sup>

Consumer - Inhalation; Short term local effects: 374 mg/m<sup>3</sup>

Workers - Inhalation; Long term local effects: 734 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 63 mg/kg bw/day  
 Workers - Inhalation; Long term systemic effects: 734 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 37 mg/kg bw/day  
 Consumer - Inhalation; Long term systemic effects: 367 mg/m<sup>3</sup>  
 Consumer - Oral; Long term systemic effects: 4.5 mg/kg bw/day  
 Consumer - Inhalation; Long term local effects: 367 mg/m<sup>3</sup>

#### PNEC

- Fresh water; 0.26 mg/l  
 - marine water; 0.026 mg/l  
 - Intermittent release; 1.65 mg/l  
 - Sediment (Freshwater); 1.25 mg/kg  
 - Sediment (Marinewater); 0.125 mg/kg  
 - Soil; 0.24 mg/kg  
 - STP; 650 mg/l

#### Ethyl acetate (CAS: 141-78-6)

#### DNEL

Workers - Inhalation; Short term systemic effects: 1468 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term local effects: 1468 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term systemic effects: 734 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term local effects: 374 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term local effects: 734 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 63 mg/kg bw/day  
 Workers - Inhalation; Long term systemic effects: 734 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 37 mg/kg bw/day  
 Consumer - Inhalation; Long term systemic effects: 367 mg/m<sup>3</sup>  
 Consumer - Oral; Long term systemic effects: 4.5 mg/kg bw/day  
 Consumer - Inhalation; Long term local effects: 367 mg/m<sup>3</sup>

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 - Sediment (Marinewater); 0.125 mg/kg  
 - Soil; 0.24 mg/kg  
 - STP; 650 mg/l

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Viton rubber (fluoro rubber).

<b>Other skin and body protection</b>	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.
<b>Hygiene measures</b>	Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

## SECTION 9: Physical and chemical properties

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

Appearance	Clear liquid.
Colour	Colourless.
Odour	Fruity.
Odour threshold	Not available.
pH	Not available.
Melting point	-84°C
Initial boiling point and range	76°C @
Flash point	-4°C Closed cup.
Evaporation rate	very fast
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	: 2-11.5%
Other flammability	Not available.
Vapour pressure	98hPa @ °C
Vapour density	>1 g/cm <sup>3</sup>
Relative density	0.9003 g/cm <sup>3</sup> @ 20°C
Bulk density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	427°C
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity ≤ 20.5 mm <sup>2</sup> /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.
Comments	Information given is applicable to the product as supplied.

### 9.2. Other information

Other information	No information required.
Refractive index	Not available.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not available.
Saturation concentration	Not available.
Critical temperature	Not available.
Volatile organic compound	This product contains a maximum VOC content of 903 g/litre.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid contact with strong oxidising agents.

### 10.5. Incompatible materials

**Materials to avoid** Acids - oxidising. Strong acids. Strong alkalis.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Inhalation** Drowsiness.  
**Ingestion** Harmful if swallowed.  
**Skin contact** Causes skin irritation.  
**Eye contact** Causes serious eye irritation.

### Toxicological information on ingredients.

#### Ethyl acetate

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,620.0

**Species** Rat

**ATE oral (mg/kg)** 5,620.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 20,000.0

**Species** Rabbit

**ATE dermal (mg/kg)** 20,000.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 30.0

**Species** Rat

ATE inhalation (vapours/mg/l) 30.0

Inhalation	Drowsiness.
Ingestion	Harmful if swallowed.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.

## SECTION 12: Ecological information

### **12.1. Toxicity**

#### **Acute aquatic toxicity**

Acute toxicity - fish EC<sub>50</sub>, 48 hours: 610 mg/l, Marinewater fish  
LC<sub>50</sub>, 96 hours: 230 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 11.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 48 hours: 5600 mg/l, Freshwater algae

#### **Ecological information on ingredients.**

##### **Ethyl acetate**

#### **Acute aquatic toxicity**

Acute toxicity - fish EC<sub>50</sub>, 48 hours: 610 mg/l, Marinewater fish  
LC<sub>50</sub>, 96 hours: 230 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 11.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 48 hours: 5600 mg/l, Freshwater algae

### **12.2. Persistence and degradability 12.3.**

#### **Bioaccumulative potential**

Bioaccumulative potential BCF: 30,

Partition coefficient Not available.

#### **Ecological information on ingredients.**

##### **Ethyl acetate**



<b>Bioaccumulative potential</b>	BCF: 30,
<b>Partition coefficient</b>	Not available.

#### **12.4. Mobility in soil**

<b>Mobility</b>	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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#### **Ecological information on ingredients.**

##### **Ethyl acetate**

<b>Mobility</b>	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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#### **12.5. Results of PBT and vPvB assessment**

<b>Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
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#### **Ecological information on ingredients.**

##### **Ethyl acetate**

<b>Results of PBT and vPvB assessment</b>	This product does not contain any substances classified as PBT or vPvB.
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#### **12.6. Other adverse effects**

<b>Other adverse effects</b>	Not known.
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#### **Ecological information on ingredients.**

##### **Ethyl acetate**

<b>Other adverse effects</b>	Not known.
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### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### **SECTION 14: Transport information**

#### **14.1. UN number**

<b>UN No. (ADR/RID)</b>	1173
<b>UN No. (IMDG)</b>	1173
<b>UN No. (ICAO)</b>	1173
<b>UN No. (ADN)</b>	1173

#### **14.2. UN proper shipping name**

<b>Proper shipping name (ADR/RID)</b>	ETHYL ACETATE
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Proper shipping name (IMDG) ETHYL ACETATE

Proper shipping name (ICAO) ETHYL ACETATE

Proper shipping name (ADN) ETHYL ACETATE

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

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



**14.4. Packing group**

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutantNo.

**14.6. Special precautions for user**

EmS	F-E, S-D
ADR transport category	2
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

**SECTION 15: Regulatory information**

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

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

<b>Issued by</b>	Compliance
<b>Revision date</b>	25.05.2022
<b>Revision</b>	3
<b>Supersedes date</b>	18.06.2015
<b>SDS number</b>	20253
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
<b>Store Between</b>	Store Between 5°C-25°C

Bauder reserves the right to amend information and product specifications without prior notice. All reasonable care has been taken to ensure that all data is current at the time of print, however because Bauder pursues a policy of constant development we recommend ensuring that your copy of this information is current by contacting our Technical Department at [technical@bauder.co.uk](mailto:technical@bauder.co.uk)

Recommendations for use should be verified as to the suitability and compliance with actual requirements, specifications, installation techniques and any applicable laws and regulations.