# Bauder Spray Gun Nozzle Cleaner

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

Revision date: February 2025 Supersedes: 17.03.2017

## COMPANY UNDERTAKING

Bauder Limited
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## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE

### 1.1 Product identifier

**Product name:** Bauder Spray Gun Nozzle Cleaner

**Product number:** A01326,FP-001955

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

**Identified uses:** 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

### 1.4 Emergency telephone number

+44 01827 69662 (NOT 24 HRS)

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification**

**Physical hazards:** Aerosol 1 – H222, H229

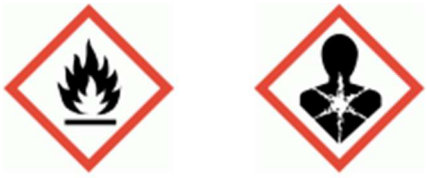
**Health hazards:** Acute Tox. 1 – H330 Carc. 2 – H351

**Environmental hazards:** Not Classified

| | |
|---|---|
| **Classification (67/548/EEC or 1999/45/EC):** | Carc. Cat. 3;R40. F+;R12. |
| **Human health:** | Vapours/aerosol spray may irritate the respiratory system. |
| **Physicochemical:** | Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. The product is extremely flammable. |

## 2.2 Label elements

**Pictogram:**



| | |
|---|---|
| **Signal word:** | Danger |
| **Hazard statements:** | H222 Extremely flammable aerosol.<br>H229 Pressurised container: may burst if heated<br>H330 Fatal if inhaled.<br>H351 Suspected of causing cancer. |
| **Precautionary statements**: | A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.<br>A2 Do not spray on a naked flame or any incandescent material.<br>A3 Keep away from sources of ignition - No smoking.<br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P211 Do not spray on an open flame or other ignition source.<br>P251 Do not pierce or burn, even after use.<br>P260 Do not breathe vapours.<br>P281 Use personal protective equipment as required.<br>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.<br>P501 Dispose of contents/container in accordance with national regulations.<br>RCH002a Restricted to professional users. |
| **Contains:** | DICHLOROMETHANE, PROPANE, BUTANE |
| **Supplementary precautionary statements:** | P201 Obtain special instructions before use.<br>P202 Do not handle until all safety precautions have been read and understood.<br>P308+P313 IF exposed or concerned: Get medical advice/attention.<br>P405 Store locked up. |

### 2.3 Other hazards

**SECTION 3: Composition/information on ingredients**

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

### 3.2 Mixtures

| | | |
|---|---|---|
| **DICHLOROMETHANE** | | **60-100%** |
| CAS number: 75-09-2 | EC number: 200-838-9 | REACH registration number: 01-2119480404-41-0000 |
| **Classification** | **Classification (67/548/EEC or 1999/45/EC)** | |
| Skin Irrit. 2 – H315<br>Eye Irrit. 2 – H319<br>Carc. 2 – H351<br>STOT SE 3 – H336 | Carc. Cat. 3;R40 | |

| | | |
|---|---|---|
| **PROPANE** | | **10-30%** |
| CAS number: 74-98-6 | EC number: 200-827-9 | |
| **Classification** | **Classification (67/548/EEC or 1999/45/EC)** | |
| Flam. Gas 1 – H220<br>Press. Gas | F+;R12 | |

| | | |
|---|---|---|
| **BUTANE** | | **10-30%** |
| CAS number: 106-97-8 | EC number: 203-448-7 | |
| **Classification** | **Classification (67/548/EEC or 1999/45/EC)** | |
| Flam. Gas 1 – H220<br>Press. Gas | F+:R23 | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

**General Information:** Remove affected person from source of contamination.

**Inhalation:** Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately.

**Skin contact:** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

**Eye contact:** 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

**General Information:** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation:** Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.

**Ingestion:** May cause discomfort if swallowed.

**Skin contact:** Prolonged skin contact may cause redness and irritation.

**Eye contact:** Vapour, spray or dust may cause chronic eye irritation or eye damage.

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

**Notes for the doctor:** No specific recommendations. If in doubt, get medical attention promptly.

## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards:** Containers can burst violently or explode when heated, due to excessive pressure build-up. Extremely flammable.

**Hazardous combustion products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

### 5.3. Advice for firefighters

**Protective actions during Firefighting:** Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

**Special protective equipment for Firefighters:** Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## 6 ACCIDENTAL RELEASE MEASURES

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

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2 Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Absorb spillage with non-combustible, absorbent material. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

### 6.4 Reference to other sections

**Reference toother sections:** Wear protective clothing as described in Section 8 of this safety data sheet.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Usage precautions:** Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.

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

**Storage precautions:** Store in closed original container at temperatures between 5°C and 25°C.

**Storage class:** Chemical storage.

### 7.3 Specific end use(s)

**Specific end use(s):** The identified uses for this product are detailed in Section 1.2.

## 8 EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Control parameters

**Occupational exposure limits**

**DICHLOROMETHANE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 350 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 1060 mg/m3(Sk)

**BUTANE**

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³
Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³
WEL = Workplace Exposure Limit

**Ingredient comments:** WEL = Workplace Exposure Limits

**DICHLOROMETHANE (CAS: 75-09-2)**

**Ingredient comments:** WEL = Workplace Exposure Limits
**DNEL:** Consumer – Dermal; Short term systemic effects: 353 mg/m³
Workers – Dermal; Short term systemic effects: 706mg/m³

**PNEC:**
- Fresh water; 054 mg/l
- Sediment (Freshwater); 4.47 mg/kg
- Intermittent release; 0.27 mg/l
- Sediment (Marinewater); 1.61 mg/kg
- Marine water; 0.194 mg/l
- STP; 26 mg/l
- Soil; 0.583 mg/kg

### 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.

**Eye/face protection:** Wear chemical splash goggles.

**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: Nitrile rubber.

**Other skin and body protection:** Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

**Hygiene measures:** Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling. When using do not eat, drink or smoke.

**Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly ventilated spaces, a supplied-air respirator must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type AX. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

**Environmental exposure controls:** Keep container tightly sealed when not in use.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information of basic physical and chemical properties

**Appearance:** Clear liquid.

**Colour:** Various colours.

| | |
|---|---|
| **Odour:** | Characteristic. |
| **Odour threshold:** | Not available. |
| **pH:** | Not available. |
| **Melting point:** | Not available. |
| **Initial boiling point and range**: | 39-40C°C @ |
| **Flash point:** | <40°C |
| **Evaporation rate:** | Not available. |
| **Evaporation factor:** | Not available. |
| **Flammability (solid, gas):** | Not available. |
| **Upper/lower flammability or explosive limits:** | Lower flammable/explosive limit: 1.8 Upper flammable/explosive limit: 9 |
| **Other flammability:** | Not available. |
| **Vapour pressure:** | Not available. |
| **Vapour density:** | Not available. |
| **Relative density:** | @ 20°C |
| **Bulk density:** | Not available. |
| **Solubility(ies)**: | Insoluble in water. |
| **Partition coefficient:** | Not available. |
| **Decomposition Temperature:** | Not available. |
| **Viscosity:** | 20-50 mPa s @ 25°C |
| **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 798 g/litre. |

## 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. Not relevant.

### 10.4 Conditions to avoid

**Conditions to avoid:** Avoid contact with water. Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

### 10.5 Incompatible materials

**Material to avoid:** Strong acids. Strong alkalis.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information of toxicological effects

**Acute toxicity – oral**

| | |
|---|---|
| **Acute toxicity oral ($LD_{50}$ mg/kg)** | 2,000.0 |
| **Species:** | Rat |

**Acute toxicity – dermal**

| | |
|---|---|
| **Acute toxicity dermal ($LD_{50}$ mg/kg)** | 2,000.0 |
| **Species:** | Rat |

**Acute toxicity – inhalation**

| | |
|---|---|
| **Acute toxicity inhalation ($LC_{50}$ vapours mg/l)** | 0.493 |
| **Species:** | Rat |
| **ATE inhalation (gases ppm)** | 1.25 |

**Skin corrosion/irritation**
**Animal data:** Irritating.

**Serious eye damage/irritation**
**Serious eye damage/irritation:** Moderately irritating.

**Respiratory sensitisation**
**Respiratory sensitisation:** Sensitising.

**Carcinogenicity**
**Carcinogenicity:** Suspected carcinogen based on limited evidence.
**Target organ for carcinogenicity:** No specific target organs known.

**Reproductive toxicity**
**Reproductive toxicity – development:** This substance has no evidence of toxicity to reproduction.

**Specific target organ toxicity - repeated exposure**
**STOT - repeated exposure** Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction.

**Aspiration hazard**

**Aspiration hazard** Not anticipated to present an aspiration hazard, based on chemical structure.

**Inhalation:** Irritating to respiratory system. May cause sensitisation by inhalation.

**Ingestion:** May cause stomach pain or vomiting.

**Skin contact:** Irritating to skin. May cause sensitisation by skin contact.

**Eye contact:** Irritation of eyes and mucous membranes.

**Acute and chronic health hazards:** May cause sensitisation by skin contact. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. May cause respiratory system irritation. Frequent inhalation of vapours may cause respiratory allergy.

**Route of entry:** Inhalation Skin and/or eye contact

**Medical symptoms:** Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure.

**Medical considerations:** Chronic respiratory and obstructive airway diseases.

**Toxicological information on ingredients.**

**DICHLOROMETHANE**

**Acute toxicity – oral**
**Acute toxicity oral ($LD_{50}$ mg/kg):** 2,000.0
**Species:** Rat

**Acute toxicity – inhalation**
**Acute toxicity inhalation ($LC_{50}$ vapours mg/l):** 86.0
**Species:** Rat
**ATE inhalation (vapours mg/l):** 86.0

**PROPANE**

**Acute toxicity - inhalation**
**Acute toxicity inhalation ($LC_{50}$ gases ppmV):** 0.25
**Species:** Rat
**ATE inhalation (gases ppm):** 0.25

**BUTANE**

**Acute toxicity - inhalation**
**Acute toxicity inhalation ($LC_{50}$ gases ppmV):** 658.0
**Species:** Rat
**ATE inhalation (gases ppm):** 658.0

## 12 ECOLOGICAL INFORMATION

**Ecotoxicity**: The product is not expected to be hazardous to the environment.

### 12.1 Toxicity

**Acute toxicity – fish:** LC50, 96 hours, 96 hours: > 193 mg/l, Freshwater fish
LC50, 96 hours, 96 hours: > 97 mg/l, Marinewater fish

**Acute toxicity - aquatic invertebrates:** $EC_{50}$, 48 hours, 48 hours: > 27 mg/l,
$EC_{50}$, 48 hours: >500 mg/l, Daphnia magna

**Acute toxicity - aquatic plants:** $IC_{50}$, 72 hours: 550 mg/l, Algae

**Ecological information on ingredients.**

**DICHLOROMETHANE**

**Acute toxicity – fish:** LC50, 96 hours, 96 hours:> 93 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity – aquatic invertebrates:** $EC_{50}$, 48 hours: 27 mg/l, Daphnia magna

**Accurate toxicity – aquatic plants:** $IC_{50}$, 75 hours: 550 mg/l, Algae

**PROPANE**

**Acute toxicity – fish:** $LC_0$, 96 hours: 24 mg/l, Fish

**Accurate toxicity – aquatic invertebrates:** $LC_0$, 48 hours: 7 mg/l, Daphnia magna

**Acute toxicity – aquatic plants:** $LC_0$, 96 hours: 8 mg/l,

**BUTANE**

**Acute toxicity – fish:** $LC_0$, 96 hours: 24, 11 mg/l, Fish

**Acute toxicity – aquatic invertebrates:** $LC_0$, 48 hours: 14,22 mg/l, Daphnia magna

**Acute toxicity – aquatic plants:** $LC_0$, 96 hours: 7,71 mg/l, Algae

## 12.2 Persistence and degradability

**Persistence and degradability:** The product is not readily biodegradable.

**Stability (hydrolysis):** Reacts with water.

**Biological oxygen demand:** < 10 g $O_2$/g substance

## 12.3 Bioaccumulative potential

**Bioaccumulative potential:** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient:** Not available.

**Ecological information on ingredients.**

**DICHLOROMETHANE**

**Bioaccumulative potential:** The product is not bioaccumulating.

## 12.4 Mobility in soil

**Mobility:** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

**Ecological information on ingredients.**

**DICHLOROMETHANE**

**Mobility**: The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

## 12.5 Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment:** This product does not contain any substances classified as PBT or vPvB.

**Ecological information on ingredients.**

**DICHLOROMETHANE**

**Results of PBT and vPvB assessment:** This product does not contain any substances classified as PBT or vPvB.

## 12.6 Other adverse effects

**Ecological information on ingredients.**

**DICHLOROMETHANE**

**Other adverse effects:** Not applicable.

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**General information:** 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.

**Disposal methods:** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 14 TRANSPORT INFORMATION

**General:** Wear protective clothing as described in Section 8 of this safety data sheet.

### 14.1 UN number

| | |
|---|---|
| UN No. (ADR/RID) | 1950 |
| UN No. (IMDG) | 1950 |
| Un No. (ICAO) | 1950 |

### 14.2 UN proper shipping name

| | |
|---|---|
| **Proper shipping name (ADR/RID):** | AEROSOLS |
| **Proper shipping name (IMDG):** | AEROSOLS |
| **Proper shipping name (ICAO):** | AEROSOLS |
| **Proper shipping name (ADN)**: | AEROSOLS |

### 14.3 transport hazard class(es)

| | |
|---|---|
| **ADR/RID class:** | 2.1 |
| **ADR/RID subsidiary risk:** | 6.1 |
| **ADR/RID label:** | 2.1 & 6.1 |
| **IMDG class:** | 2.1 |
| **IMDG subsidiary risk:** | 6.1 |
| **ICAO class/division:** | 2.1 |
| **ICAO subsidiary risk:** | 6.1 |

**Transport labels**



### 14.4 Packing group

Not applicable.

**ADR/RID packing group**
**IMDG packing group**
**ICAO packing group**

### 14.5 Environmental hazards

**Environmentally hazardous substance/marine pollutant**
No.

### 14.6 Special precautions for user

**EmS:** F-D, S-U
**Emergency Action Code:**
**Hazard Identification Number (ADR/RID):**
**Tunnel restriction code:** (D)

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

## 15 REGULATORY INFORMATION

### 15.1 Safety, health and environment regulations/legislation specific for the substance or mixture

**National regulations:** Control of Pollution Act 1974.

**EU legislation:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance:** The spraying of flammable liquids HSG178.

### 15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

## 16 OTHER INFORMATION

**Issued by:** Compliance

**Revision date:** 01/11/2013

**Revision:** 20

**Risk phrases in full:** R12 Extremely flammable.
R40 Limited evidence of a carcinogenic effect.

**Hazard statements in full:** H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H351 Suspected of causing cancer.

**Store Between:** Store Between 5'c - 25'c

**Contains SVHC:** NO

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