

EC-Material Safety Data Sheet

For chemical substances and preparations according
1907/2006/EG, Article 31

Issue of: 28.09.2009

last revision: 28.09.2009



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

Product details

Trade name: **BINZEL Pistolenspray**
Application of the substance/the preparation: **Protective welding agent**

Manufacturer/Supplier: **Alexander Binzel Schweißtechnik GmbH & Co. KG**
Postfach 10 03 62 / D- 35333 Gießen
+ 49 (0) 6408/59-0
Phone: **+ 49 (0) 6408/59-0**
Respondet Person: **Material Safety Data Sheets Mrs. Tina Schmattloch**
Phone: **+ 49 (0) 6408/59-0**
e-Mail: **schmattloch@binzel-abicor.com**

Information in case of Emergency: **National advisory board for symptoms of intoxication Berlin**
Phone: **+ 49 (0) 3019240**
Telefax: **+ 49 (0) 3030686721**

2. Hazards identification

Hazard description: **R12 Extremely flammable.**

Information concerning particular hazards for human and environment: **Can is under pressure. Protect form the sun and temperatures over 50°C/122°F. Do not open can by force and do not burn can, also after use. Keep out of the reach of children.**

3. Composition/information on ingredients

Chemical Characterisation: **Preparation of substances which are not subject to be labelled and propane/butane as propellant.**

Dangerous Components

CAS-No. Description: **74-98-6/106-97-8, Propane/Butane**
Identification No./No.'s
EINECS-Number: **200-827-9/203-448-7**



F+; R12 >80<95%

4. First aid measures (Symptoms)

Inhalation: **Could cause drowsiness and dizziness.**
Skin contact: **No symptoms**
Eye contact: **Can lead to slight irritations.**
Swallowing:

4. First aid measures (Measures)

General advice: **No spezial measures needed.**
After inhalation: **Inhale fresh air, consult doctor in case of discomfort. Move affected person into fresh air, keep warm and allow to rest.**
After skin contact: **Immediate wash with water and soap, rinse thoroughly. Remove contaminated clothes immediately.**
After eye contact: **Rinse eyes with eyelids open with flowing water for several minutes. Consult doctor in case of continuing discomfort.**
After swallowing: **Do not induce vomiting, consult doctor immediately.**
Information to physician **May lead to head ache or nausea. Show label or can.**

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5. Fire-fighting measures

Suitable extinguishing media: Foam, CO², dry extinguishing powder, water spray jet.
Extinguishing media which must not be used for safety reasons: Full water jet.
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Can form explosive gas-air-mixture. In case of fire dangerous vapours/gases could arise.
Special protective equipment: Wear a self-contained breathing apparatus.
Additional information: Cool endangered containers with water spray jet. Fire residua and contaminated fire extinguishing water have to be disposed off according to the official regulations.

6. Accidental release measures

Person-related safety precautions: Consider danger of slipping by leaking product. Wear protection equipment. Keep unprotected people away. Provide adequate ventilation. Keep away from sources of ignition – do not smoke!
Measures for environmental protection: Do not allow to enter groundwater, natural waters or canalisation.
Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents, sawdust).
Additional information: Information about disposal see chapter 13.

7. Handling and storage

Handling

Information for safety handling: Ensure good ventilation/exhaust ventilation at the working area. Avoid skin and eye contact. When using do not smoke, ear, drink.

Information about fire- and explosion protection: Can is under pressure. Protect from the sun and temperatures over 50°C/122°F (e.g. by lamps). Do not open can by force and do not burn can, also after use. Keep away from sources of ignition.

Storage

Requirements to be met by storerooms and receptacles: The official regulations for the storage of pressure gas packages have to be observed.

Information about storage in one common storage facility: Not necessary.

Further information about storage conditions: Store cool and dry. Protect from temperatures over 50°C/122°F. Observe the storage regulations of the TRG 3000.

Storage class: 2B

Classification as per German Health and Safety at Work Regulations (BetrSichV): -

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: (Values TRGS 900)

200-827-9 Propane

AGW: 1.800 mg/m³, 1.000 ml/m³
Peak limitation.: Overflow factor 4(II) Remark: DFG

203-448-7 Butane

AGW: 2.400 mg/m³, 1.000 ml/m³
Peak limitation.: Overflow factor 4(II); DFG

Additional Information Based on the lists valid during the creation.

Personal protective equipment:

General protective and hygienic measures:

Keep away from food, drink and animal feedingstuff.

Respiratory protection:

Respiratory protection necessary in case of insufficient ventilation.

Protection of hands:

The material of the gloves has to be impermeable and resistant against the product/ the substance/the composition.

Material of gloves:

The selection of a suitable glove does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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Penetration time of glove material:

The exact point of penetration has to be found out by the manufacturer of the protection gloves and has to be observed.

Eye protection:

Do not spray in eyes. If necessary wear safety goggles..

Body protection:

Protective clothing.

9. Physical and chemical properties

General Information

Form: Aerosol
Colour: yellowish
Odour: odourless
ph-value at 20°C/68°F: not applicable

Change in physical state

Boiling temperature/boiling range: not applicable
Flash point: not applicable

Flammability

Aerosol is extremely flammable, propellant propane/butane

Danger of explosion:

Protect from temperatures over 50°C/122°F, otherwise burst danger. Formation of explosive vapour/air mixtures possible.

Explosion limits

Lower explosion limit: not determined
Upper explosion limit not determined

Auto ignition temperature: not applicable, as aerosol.

Oxidising properties:

keine

Vapour pressure

(20°C/68°F) 4,5 bar (internal can pressure)
(50°C/122°F) 7,0 bar (internal can pressure)

Relative density at 20°C/68°F:

0,59 g/ml (calculated)

Solubility in/miscibility with water at 20°C/68°F:

insoluble

Solvent Content:

no

Organic solvent:

none

VOC (EU):

VOCV (CH):

0,125 kg/can

10. Stability and reactivity

Thermal decomposition products:

None, if used according to the regulations.

Conditions to avoid:

Protect from temperatures over 50°C/122°F because of burst danger.

Materials to avoid:

Acids, strong oxidising agents.

Hazardous decomposition products:

None, if used according to the regulations. In case of fire release of toxic gases as carbon dioxide/carbon monoxide.

11. Toxicological information

Acute toxicity

Primary irritant effect:

on the skin:

No irritant effect

on the eye: No irritating effect

Sensitization:

No sensitizing effects known.

Additional toxicological information:

According to the information and experience we have the product does not cause harmful effects in case of appropriate handling and if used according to the regulations. Vapours induce narcotic effects. The classification of the preparation has been made according to the results of the analysis of the general preparation guideline (1999/45/EG).

12. Ecological information

General notes:

Water hazard class 1 (self classification): weakly-water-endangering.
Do not allow to enter groundwater, natural waters or canalisation.

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13. Disposal considerations

Product

Recommendation: Can be reused after reprocessing. Smaller quantities can be disposed of with household waste.

European waste catalogue

16 05 04 dangerous substances, contained gases in pressure vessels (including halons)
15 01 04 packings made of metal

Uncleaned packing

Recommendation: Dispose of according to applicable local, state, and federal regulations.

14. Transport information

Landtransport ADR/RID and GGVS/GGVE (transnational/inland)

ADR/RID-GGVS/E class: 2
Classification code: 5F
Kemler-Code: 20
UN-Number: UN 1950
Packing group: -
Hazard label: 2.1
Description of the good: PRESSURE GAS PACKINGS
Limited Quantity (LQ): LQ2

Maritime transport IMDG/GGVSee

IMDG/GGVSee-Class: 2
UN-Number: UN 1950
Label: 2.1
Packing Group: -
EMS-Number: F-D, S-U
Marine pollutant: No
Real technical name: AEROSOLS

Air transport ICAO-TI and IATA-DGR

ICAO/IATA-Class: 2
UN/ID-Number: UN 1950
Label: 2.1
Packing Group: -
Real technical name: AEROSOLS

15. Regulatory information

Labelling according to EU guidelines

The product is classified and labelled according to EC-Guidelines 67/548EEC, Guideline 1999/45 EC/GefStoffV.

Hazard symbols Extremely flammable



R-Phrases: R12 Extremely flammable
S-Phrases: S2 Keep out of the reach of children.
S16 Keep away from sources of ignition – No smoking.
S23 Do not breathe aerosol.
S51 Use only in well-ventilated areas.

P-Phrases: Pressurised container: Protect from sunlight and do not expose temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

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Observe statutory order on hazardous indicents: Yes

Specialprovisions concerning
the labelling of certain preparations:

Pressurised container: Protect from sunlight and do not expose temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use. Contains > 60% by mass of the contents are flammable. Keep out of children.

EU-Legislation

Cosmetics regulation: not applicable
Detergents regulation 648/2004/EG: not applicable
Guideline 1999/13/EG (VOC-Guideline): VOC-part (calculated) 538 g/litre
Guideline 2004/42/EG implemented by regulation ChemVOCFarbV: not applicable

National regulations

Restrictions of occupation: no restrictions
Classification as per German Health and Safety at Work Regulations (BetrSichV): -
Technical instruction air: Class: 3: Part in %:<60%
Water Hazard Class: WGK 1 (Self classification): weakly water-endangering

Other advices

Remark: The information above regarding the official regulations refers just to the basic rules for the products described in the safety data sheet. The user is advised that additional supplementary regulations could be valid. All adaptive national, international and local instructions and regulations have to be observed.

16. Other informations

Further applicable EC-Guidelines: Preparation Guideline /1999/45/EG, last revised by the guideline 2006/8/EC
Substance Guideline (67/548/EWG), last revised by the guideline 2006/121/EC
guideline 91/155 EWG supplemented by the REACH-Regulation

Relevant R-phrases from section 3: R12 Extremely flammable

This information is based on our present knowledge and does not assure properties in the legal sense. Statutory have to be observed at one's own responsibility. The company can not be held responsible for any damages caused during handling or contact with the product above.

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