

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.06.2023

Version number 9 (replaces version 8)


Revision: 07.06.2023

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

- 1.1 Product identifier
- Trade name: **Super pistol spray, silicone-free**
- UFI: NF00-Q070-D00N-40KE
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
 - Identified use: intended for professional use only!
- Application of the substance / the mixture: Coating
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Alexander BINZEL
Schweisstechnik GmbH & Co.KG
Postfach 10 01 53 / D-35331 Giessen
Tel.: +49 (0) 6408 / 59-0
Fax: +49 (0) 6408 / 59-191
Mail: technischedokumentation@binzel-abicor.com
- Further information obtainable from: Technical Documentation
- 1.4 Emergency telephone number: Medical Emergency information in case of poisoning:
Poison Information Center Mainz - 24 h - Phone: +49 (0) 6131 19240
(advisory service in German or English language)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms



GHS02
- Signal word: Danger
- Hazard statements: H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- Precautionary statements
 - P210 Keep away from sparks. - No smoking.
 - P211 Do not spray on an open flame or other ignition source.
 - P251 Do not pierce or burn, even after use.
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 - 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 Mixtures
- Description: Mixture: consisting of the following components.
- Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7	butane, pure	Flam. Gas 1A, H220; Press. Gas (Comp.), H280	50-100%
CAS: 75-28-5 EINECS: 200-857-2	isobutane	Flam. Gas 1A, H220; Press. Gas (Comp.), H280	2.5-10%
- Additional information: For the wording of the listed hazard 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.
Do not leave affected persons unattended.
Personal protection for the First Aider.
Take affected persons out of danger area and lay down.

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- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly. Seek medical treatment in case of complaints.
- **After eye contact:** Seek medical treatment. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Protect unharmed eye. If symptoms persist consult doctor.
- **After swallowing:** No further relevant information available.
- **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:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
 - CO₂
 - Formation of toxic gases is possible during heating or in case of fire.
 - Nitrogen oxides (NO_x)
 - Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** Do not inhale explosion gases or combustion gases.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - Avoid contact with skin and eyes
 - Ensure adequate ventilation
 - Keep away from ignition sources.
- **6.2 Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system. Prevent from spreading (e.g. by damming-in or oil barriers). Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 - Dispose contaminated material as waste according to item 13.
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Do not flush with water or aqueous cleansing agents
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.
- **6.4 Reference to other sections**

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
 - Store in cool, dry place in tightly closed receptacles.
 - Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store only in the original receptacle.
 - Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
- **Further information about storage conditions:**
 - Store in dry conditions.
 - Keep container tightly sealed.

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- Storage class:
- 7.3 Specific end use(s)

Protect from heat and direct sunlight.
 Recommended storage temperature: 5-30 °C
 2 B
 No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane, pure

OEL Short-term value: 1000 ppm

74-98-6 propane

OEL Asphx

75-28-5 isobutane

OEL Short-term value: 1000 ppm

- Regulatory information

OEL: 2021 CoP for the Safety, Health and Welfare at Work

- Additional information:

The lists valid during the making were used as basis.

- 8.2 Exposure controls

- Appropriate engineering controls

No further data; see item 7.

- Individual protection measures, such as personal protective equipment

- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.

- Respiratory protection:

When used properly and under normal conditions, breathing protection is not required.
 Use suitable respiratory protective device in case of insufficient ventilation.
 Filter A/P2

Respiratory protection - Gas filters and combination filters according to (DIN EN 141)

- Hand protection



Protective gloves

Check protective gloves prior to each use for their proper condition.
 Only use chemical-protective gloves with CE-labelling of category III.
 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
 After use of gloves apply skin-cleaning agents and skin cosmetics.

- Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.1 mm

Penetration time (min.): < 10

- Penetration time of glove material

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- Eye/face protection



Tightly sealed goggles

Protective goggles and facial protection - Classification according to EN 166
 protective clothing (EN 13034)

- Body protection:

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Physical state

Aerosol

- Colour:

Opaque

- Odour:

Odourless

- Odour threshold:

Not determined.

- Melting point/freezing point:

Undetermined.

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- Boiling point or initial boiling point and boiling range	-44.5 °C (74-98-6 propane)
- Flammability	Not applicable.
- Lower and upper explosion limit	
- Lower:	1.7 Vol % (74-98-6 propane)
- Upper:	10.9 Vol % (74-98-6 propane)
- Flash point:	-97 °C (74-98-6 propane)
- Ignition temperature:	Not determined.
- Decomposition temperature:	Not determined.
- pH	Not determined.
- Viscosity:	
- Kinematic viscosity	Not determined.
- Dynamic:	Not determined.
- Solubility	
- water:	Not miscible or difficult to mix.
- Partition coefficient n-octanol/water (log value)	Not determined.
- Density and/or relative density	
- Density at 20 °C:	0.56 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.

- 9.2 Other information	
- Appearance:	
- Form:	Aerosol
- Important information on protection of health and environment, and on safety.	
- Auto-ignition temperature:	Product is not selfigniting.
- Explosive properties:	Not determined.
- Change in condition	
- Evaporation rate	Not applicable.

- Information with regard to physical hazard classes	
- Explosives	Void
- Flammable gases	Void
- Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

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	No dangerous reactions known.
- 10.4 Conditions to avoid	No further relevant information available.
- 10.5 Incompatible materials:	No further relevant information available.
- 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008	
- Acute toxicity	Based on available data, the classification criteria are not met.
- Skin corrosion/irritation	Based on available data, the classification criteria are not met.

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|--|---|
| <ul style="list-style-type: none"> - Serious eye damage/irritation - Respiratory or skin sensitisation - Germ cell mutagenicity - Carcinogenicity - Reproductive toxicity - STOT-single exposure - STOT-repeated exposure - Aspiration hazard - 11.2 Information on other hazards | <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> <p>Based on available data, the classification criteria are not met.</p> |
|--|---|

- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- | | |
|---|--|
| <ul style="list-style-type: none"> - 12.1 Toxicity - Aquatic toxicity: - 12.2 Persistence and degradability - 12.3 Bioaccumulative potential - 12.4 Mobility in soil - 12.5 Results of PBT and vPvB assessment - PBT: - vPvB: - 12.6 Endocrine disrupting properties - 12.7 Other adverse effects - Additional ecological information: - General notes: | <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>Not applicable.</p> <p>Not applicable.</p> <p>The product does not contain substances with endocrine disrupting properties.</p> <p>Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.</p> <p>Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water</p> |
|---|--|

SECTION 13: Disposal considerations

- | | |
|--|--|
| <ul style="list-style-type: none"> - 13.1 Waste treatment methods - Recommendation | <p>Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal according to official regulations</p> |
|--|--|
- | | |
|-----------------------------------|---|
| - European waste catalogue | |
| 12 01 19* | readily biodegradable machining oil |
| 16 05 04* | gases in pressure containers (including halons) containing hazardous substances |
| 15 01 04 | metallic packaging |
- | | |
|---|---|
| <ul style="list-style-type: none"> - Uncleaned packaging: - Recommendation: | <p>Disposal must be made according to official regulations.</p> |
|---|---|

SECTION 14: Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> - 14.1 UN number or ID number - ADR, IMDG, IATA | <p>UN1950</p> |
| <ul style="list-style-type: none"> - 14.2 UN proper shipping name - ADR - IMDG - IATA | <p>1950 AEROSOLS</p> <p>AEROSOLS</p> <p>AEROSOLS, flammable</p> |
| <ul style="list-style-type: none"> - 14.3 Transport hazard class(es) - ADR | |
| <ul style="list-style-type: none"> - Class | <p>2 5F Gases.</p> |



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- Label	2.1
- IMDG, IATA	
	
- Class	2.1 Gases.
- Label	2.1
- 14.4 Packing group	
- ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	
- Marine pollutant:	No
- 14.6 Special precautions for user	Warning: Gases.
- Hazard identification number (Kemler code):	-
- EMS Number:	F-D,S-U
- Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
- Transport/Additional information:	
- ADR	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
- Transport category	2
- Tunnel restriction code	D
- IMDG	
- Limited quantities (LQ)	1L
- Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
- UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

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.
- Seveso category P3a FLAMMABLE AEROSOLS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

- REGULATION (EU) 2019/1148

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The safety data sheet issued is also compliant with the regulation Annex I of Regulation (EU) no. 453/2010 and Annex II of Regulation (EU) no. 2020/878.

- Relevant phrases

H220 Extremely flammable gas.
H280 Contains gas under pressure; may explode if heated.

- Department issuing SDS:

Technical Documentation

- Date of previous version:

02.07.2021

- Version number of previous version:

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- Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Gas 1A: Flammable gases – Category 1A
 Aerosol 1: Aerosols – Category 1
 Press. Gas (Comp.): Gases under pressure – Compressed gas

- Sources

- www.echa.europa.eu
 - www.baua.de
 IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance:
 - www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp
 - www.dguv.de/ifa/gestis/gestis-dnel-liste

- * Data compared to the previous version altered.