

EC Safety Data Sheet

According to Regulation (EC) no 1907/2006, Article 31

Trade name: Anti-spatter spray, non-combustible

Last revised: 18/08/2016

Print date: 21/10/2016



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

1.1 Product identifier

Trade name: **Anti-spatter spray, non-combustible**

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

Use of the substance/mixture

Relevant identified uses: Industrial/professional use
Field of application: Special release spray
Uses advised against: Consumer use (by private households),
avoid contact with foodstuffs,
observe food safety regulations

1.3 Details of the supplier of the safety data sheet

Manufacturer: **Alexander Binzel Schweißtechnik GmbH & Co. KG**
Postfach 10 01 53 / D- 35331 Gießen, Germany
Telephone: **+49 (0) 6408/59-0**
Contact for information: **Technical Documentation**
Telephone: **+49 (0) 6408/59-0**
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Emergency information: **Poison Control Centre Mainz – 24 hour emergency service**
Tel.: +49 (0) 6131 19240

2. Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification in accordance with Regulation (EC) no 1272/2008 (CLP):

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.3	Aerosols	Cat. 3	(Aerosol 3)	H229

Additional information: See section 16 for the wording of the hazard statements listed.
This mixture does not fulfil the criteria for classification according to Directive 1999/45/EC.

2.2 Label elements

2.2.1 Labelling in accordance with Regulation (EC) no 1272/2008 (CLP)

Signal word: Caution

Hazard pictograms: Not required

Hazard statements: H229 Pressurized container: may burst if heated.

Precautionary statements: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P260 Do not breathe vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container to a hazardous waste disposal site.

2.3 Other hazards No additional details are available.

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3. Composition/information on ingredients

3.1 Chemical characterisation

Mixtures

Description:

Mixture of the substances listed below with non-dangerous admixtures.

Name of substance	CAS number	EC number	Percent by weight	Classification according to 1272/2008/EC	Pictograms
Carbon dioxide	124-38-9	204-696-9	1 - < 5%	Press. Gas R / H281	

Additional information:

See section 16 for the wording of the hazard statements listed.

4. First aid measures

4.1 Description of first aid measures

General information:

Do not leave those affected unattended. Remove those affected from the hazard zone. Place those affected in a resting position, cover them with a blanket and keep them warm. Immediately remove any clothing contaminated with or soaked in the product. If physical issues occur or in case of doubt, seek medical advice. Lay unconscious persons on their sides in the recovery position and do not give them anything by mouth. If breathing becomes irregular or stops, seek immediate medical assistance and instigate first aid measures. Ensure that there is a supply of fresh air.

After inhalation:

Wash with soap and water.

After skin contact:

If contact lenses are worn, remove these if possible. Continue rinsing. Hold the eyelids open and rinse with clean running water for at least 10 minutes.

After eye contact:

Not applicable, aerosol can.

After swallowing:

4.2 Most important symptoms and effects, both acute and delayed:

No symptoms and effects are known to date.

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

None

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray, alcohol-resistant foam, BC powder.

Unsuitable extinguishing media:

Full water jet.

5.2 Special hazards arising from the substance or mixture:

The formation of explosive/highly flammable vapour/air mixtures is possible if there is insufficient ventilation and/or during use.

5.3 Advice for firefighters:

Do not allow extinguishing water to enter sewers or bodies of water. Collect contaminated extinguishing water separately. Immediately remove intact cans from the hazard area. To avoid the risk of bursting, cool with water, if applicable. Wear a fully protective suit. Wear self-contained breathing apparatus.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Evacuate the area.

6.1.2 For emergency responders:

As protection against vapours, dusts, aerosols and gases, wear a self-contained breathing apparatus.

6.2 Environmental precautions:

Prevent entry into sewers, surface water and ground water. Contain and dispose of contaminated washing water.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill:

Cover drains.

Advice on how to clean-up a spill:

Absorb the spill (using sawdust, kieselguhr (diatomite), sand or universal binder).

Other information relating to

spills and releases:

Dispose of in suitable containers. Ventilate the affected area.

7. Handling and storage

7.1 Precautions for safe handling

7.1.1 General recommendations:

Measures to prevent fire

as well as aerosol and dust generation:

Keep away from ignition sources – no smoking. Take precautionary measures against electrostatic discharges. Use in well-ventilated areas only. Avoid heating to temperatures exceeding 50°C.

7.1.2 Advice on general

occupational hygiene:

Wash hands after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Do not store food and beverages alongside chemicals. Do not use any containers for chemicals that are normally intended to be used to hold food. Keep away from foodstuffs, beverages and animal feeds.

7.2 Conditions for safe storage, including any incompatibilities

Managing risks associated with

Storage class (SC):

2B

Flammability hazards:

Do not spray on an open flame or other ignition source. Protect from sunlight.

Incompatible substances or mixtures:

Separate storage required for storage classes: 4.1 A, 4.1 B, 4.2, 4.3, 5.1 A, 5.1 B, 5.2, 6.2, 7.

Controlling effects

Protect against external influences such as:

Frost

Consideration of other information

Suitable packaging:

Only approved packaging (e.g. in accordance with ADR) is to be used.

7.3 Specific end use(s):

No further relevant information available.

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8. Exposure controls/personal protective equipment:

8.1 Control parameters

National limits

Occupational exposure limits (threshold limit value)								
Country	Agent	CAS no.	Identifier	TWA [ppm]	TWA [mg/m ³]	STV [ppm]	STV [mg/m ³]	Source
DE	Carbon dioxide	124-38-9	TLV	5,000	9,100	10,000	18,200	TRGS 900
EU	Carbon dioxide	75-28-5	IOELV	5,000	9,100			2006/15/EC

Note:

STV: Short-term value (maximum limit for short-term exposure): unless otherwise specified, this limit must not be exceeded. Value based on exposure for a duration of 15 minutes.

TWA: Time-weighted average (maximum limit for long-term exposure): the time-weighted average value, measured or calculated for a period of eight hours.

8.2 Exposure controls

Appropriate engineering controls: General ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection: If used as intended, no protective equipment necessary. Do not spray in the eyes.

Skin protection: If used as intended, no skin protection is necessary.

Other protection measures: Allow sufficient recovery periods for skin to regenerate. Preventive skin protection (barrier creams/skin salves) is recommended. Wash hands thoroughly after use.

Respiratory protection: If used as intended, no protective equipment is necessary.

Use outdoors or in well-ventilated areas.

Environmental exposure controls: Use suitable containers to avoid environmental contamination.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information	
Appearance	
Physical state:	Aerosol (spray aerosol)
Colour:	White
Odour:	Odourless
Other physical and chemical parameters	
pH	Neutral
Initial boiling point and boiling range	Not applicable, aerosol*
Flash point	Not applicable, aerosol*
Evaporation rate	Not determined
Flammability (solid, gas)	Flammable aerosol based on GHS criteria
Explosive limits:	Not determined
Vapour pressure: at 20°C	6.0 bar
Density at 20°C	1.02 g/cm ³
Water solubility	Soluble
n-octanol/water (log Kow)	No information available
Auto-ignition temperature	370°C
Viscosity	Not relevant (aerosol)
Explosive properties	None
Oxidising properties	None

9.2. Other information:

Solvent content: 93.7%

*The finished mixture in the aerosol container is only formed after the addition of the compressed gas. Several details are therefore not measurable in a hermetically sealed, pressurized container.

10. Stability and reactivity

- 10.1 Reactivity:** For incompatibilities, see "Conditions to avoid" and "Incompatible materials" below. Risk of ignition
- 10.2 Chemical stability:** See "Conditions to avoid" below.
- 10.3 Possibility of hazardous reactions:** No hazardous reactions known.
- 10.4 Conditions to avoid:** Do not spray on an open flame or other ignition source. – Protect from heat.
- Instructions for avoiding fire and explosions:** Protect from sunlight
- Physical stresses that could result in a hazardous situation and are therefore to be avoided:** High temperatures
- 10.5 Incompatible materials:** No additional information available.
- 10.6 Hazardous decomposition products:** No reasonably anticipated hazardous decomposition products produced as a result of use, storage, spillage and heating are known. For details of hazardous combustion products, see section 5.

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11. Toxicological information

11.1 Information on toxicological effects:

No test data is available for the complete mixture.

Classification procedure:

The procedure for classifying the mixture is based on the ingredients in the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity:

Is not to be classified as acutely toxic.

Skin corrosion/irritation:

Is not to be classified as corrosive/irritating to the skin.

Severe eye damage/irritation:

Is not to be classified as causing severe eye damage/irritation.

Respiratory or skin sensitisation:

Is not to be classified as a respiratory sensitiser or skin sensitiser.

Summary of the evaluation of

CMR properties:

Is not to be classified as germ cell mutagenic (mutagenic), carcinogenic or toxic for reproduction.

Specific target organ toxicity (STOT):

Is not to be classified as specifically target organ toxic.

Aspiration hazard:

Is not to be classified as an aspiration hazard.

12. Ecological information

12.1 Toxicity

German water hazard class (WGK): 1 (slight water hazard)

12.2 Persistence and degradability:

No data available.

12.3 Bioaccumulative potential:

No data available.

Name of substance	CAS number	BCF	Log Kow	BSB5/CSB
Carbon dioxide	124-38-9		0.83	

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Other adverse effects:

No data available.

Endocrine disrupting potential:

No ingredient listed.

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13. Disposal considerations

13.1 Waste treatment methods

Advice on sewage disposal:

Do not allow the product to enter the sewage system. Avoid release into the environment. Refer to special instructions/consult Safety Data Sheet.

Disposal of containers/packaging:

The waste is hazardous. Only approved packaging (e.g. in accordance with ADR) is to be used. Completely empty packaging can be recycled. Contaminated packaging is to be treated in the same way as the substance.

Applicable waste regulations

Waste catalogue	
15 01 04	Metallic packaging
15 01 10*	Packaging containing residues of or contaminated by dangerous substances.
16 05 04	Gases containing hazardous substances in pressurized containers (including halons)

Note:

Please observe the applicable national or regional provisions. Waste is to be separated in such a way that it can be handled separately by local or national waste disposal facilities.

14. Transport information

14.1 UN number:

UN1950

14.2 UN proper shipping name:

AEROSOLS

14.3 Transport hazard classes

Class: 2 (gases)
Subsidiary risk(s): Flammability

14.4 Packing group:

Not assigned to a packing group

14.5 Environmental hazards:

None (not hazardous to the environment in accordance with hazardous goods regulations)

14.6 Special precautions for user:

The regulations pertaining to the transport of dangerous goods by road (ADR) must also be observed on the company premises.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

The product is not transported in bulk.

Details in accordance with the individual UN Model Regulations

Carriage of dangerous goods by road, rail or inland waterways (ADR/RID/ADN)

UN number: UN1950
Proper shipping name: AEROSOLS
Class: 2
Classification code: 5A
Hazard label: 2.2



Special provisions (SP): 190, 327, 344, 625
Excepted quantities (EQ): E0
Limited quantities (LQ): 1 L
Transport category (TC): 3
Tunnel restriction code (TRC): E

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International Maritime Dangerous Goods Code (IMDG)

UN number: UN1950
Proper shipping name: AEROSOLS
Class: 2.2
Hazard label: 2.2



Special provisions (SP): 63, 190, 277, 327, 344, 959
Excepted quantities (EQ): E0
Limited quantities (LQ): 1 L
EmS: F-D, S-U

International Civil Aviation Organization (ICAO-IATA/DGR)

UN number: UN1950
Proper shipping name: Aerosols, flammable
Class: 2.2
Hazard label: 2.2



Special provisions (SP): A98, A145, A167
Excepted quantities (EQ): E0
Limited quantities (LQ): 30 kg

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Applicable regulations of the European Union (EU)

Restrictions in accordance with

REACH, Appendix XVII: No ingredient listed.

List of substances subject to authorisation (REACH, Annex XIV): No ingredient listed.

Aerosol Dispensers Directive 75/324/EEC

Classification of the gas/aerosol: Non-flammable

Labelling:

Pressurized container: may burst if heated.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.
Pressurised container: do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (Paints Directive)

VOC content: 0%

Industrial Emissions Directive (VOCs, 2010/75/EU)

VOC content: 0%

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Regulation 166/2006/EC concerning the Establishment of a European Pollutant Release and Transfer Register (PRTR)

Name of substance	CAS no.	Notes	Threshold for release into the air (kg/year)	Threshold for release into water (kg/year)	Threshold for release into the ground (kg/year)
Carbon dioxide	124-38-9		100 million		

National regulations (Germany)

Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes (VwVwS)

Water hazard class (WGK): 1 (slightly hazardous to water) – classification in accordance with Appendix 3 (VwVwS)

Technical Guidelines for the Prevention of Air Pollution (Germany)

Number	Substance group	Class	Conc.	Mass flow	Mass conc.	Note
In accordance with 5.2.5	Organic substances		≥ 25 % by weight	0.5 kg/h	50 mg/m ³	3)

Note:

3) The total mass flow 0.50 kg/h or mass concentration 50 mg/m³, in each case specified as total carbon, must not be exceeded (with the exception of dust-forming organic substances).

Storage of hazardous substances in non-stationary containers (technical rule TRGS 510) (Germany)

Storage class (SC): 2 B (aerosol dispensers and lighters)

Ordinance on the Incentive Tax on Volatile Organic Compounds (VOVC)

VOC share (subject to tax)

15.2 Chemical safety assessment: No chemical safety assessment was conducted for substances in this mixture.

16. Other information

16.1 Hazard statements

H229

Pressurized container: may burst if heated.

H281

Contains refrigerated gas; may cause cryogenic burns or injury.

16.2 Precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251

Do not pierce or burn, even after use.

P260

Do not breathe vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P410+412

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501

Dispose of contents/container to a hazardous waste disposal site.

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16.5 Abbreviations

2006/15/EC: Commission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ('Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures').
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road ('Accord européen relatif au transport international des marchandises dangereuses par route').
Aquatic Chronic: hazardous to the aquatic environment (chronic aquatic toxicity).
Asp. Tox.: Aspiration hazard.
BCF: BioConcentration Factor.
BOD: Biochemical oxygen demand.
CAS: Chemical Abstracts Service (database of chemical compounds and their unique codes, i.e. CAS registry number).
CLP: Regulation (EC) no. 1272/2008 on the classification, labelling and packaging of substances and mixtures.
CMR: Carcinogenic, mutagenic or toxic to reproduction.
COD: Chemical oxygen demand.
DMEL: Derived minimal effect level.
DNEL: Derived no-effect level.
EC no.: The EC Inventory (EINECS, ELINCS and the NLP list) is the source for the seven-digit EC number used to identify substances within the EU (European Union).
EmS: Emergency schedule.
Flam. Gas: Flammable gas.
Flam. Liq.: Flammable liquid.
GHS.: Globally Harmonized System of Classification and Labelling of Chemicals, developed by the United Nations.
IATA/DGR.: Dangerous Goods Regulations (DGR) for international air transport (IATA).
ICAO.: International Civil Aviation Organization.
IMDG: International Maritime Dangerous Goods Code.
SC: Storage class in accordance with technical rule TRGS 510 (Germany).
Log Kow: N-octanol/water.
MARPOL.: International Convention for the Prevention of Pollution from Ships ('MARPOL' is short for 'marine pollution').
PBT: Persistent, bioaccumulative and toxic.
PNEC: Predicted no-effect concentration.
Ppm: Parts per million.
Press. Gas: Pressurised gas.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID : Regulations concerning the international carriage of dangerous goods by rail ('Règlement concernant le transport international ferroviaire des marchandises dangereuses').
Skin Corr.: Corrosive to the skin.
Skin Irrit.: Skin irritant.
STOT SE.: Specific target organ toxicity (single exposure).
TRGS: Technical Rules for Hazardous Substances (Germany).
TRGS 900: Threshold limit values (TRGS 900).
VOC: Volatile organic compounds.
VPvB: Very persistent and very bioaccumulative.

16.6 Literature

Regulation (EC) no. 1907/2006 (REACH), amended by 2015/830/EU
Regulation (EC) no. 1272/2008 (CLP, EU-GHS)

Classification procedure

Physical and chemical properties:	The classification is based on the test results for the mixture.
Health hazard/environmental hazard:	The procedure for classifying the mixture is based on the ingredients in the mixture (additivity formula).

This information is based on our present knowledge and does not assure properties in the legal sense. The user is responsible for observing legal requirements. The company cannot be held responsible for any damage caused during the handling of or contact with the above product.