

EC Safety Data Sheet

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

Trade name: Anti-spatter spray S360°

Last revised: 03.03.2014

Print date: 20.10.2014



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

Product identifier

Trade name: **Anti-spatter spray S360°**
Relevant identified uses of the substance or mixture and uses advised against: **Welding protective agent for industrial use**
Use of the substance/mixture: **Welding protective agent**

Details of the supplier of the safety data sheet

Manufacturer: **Alexander Binzel Schweißtechnik GmbH & Co. KG**
Postfach 10 01 53 / D- 35331 Gießen, Germany
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Contact for information: **Technical Documentation**
Telephone: **+49 (0) 6408/59-0**
E-mail: **technischedokumentation@binzel-abicor.com**

Emergency information: **Poison Control Centre Mainz – 24 hour emergency service**
Tel.: +49 (0) 6131 19240

2. Hazards identification

Classification of the substance or mixture:

Classification according to Regulation

(EC) no 1272/2008:

Aerosol 3 H229 – Pressurized container: may burst if heated.

Signal word:

Caution

Classification according to Directive

67/548/EEC or Directive 1999/45/EC:

Not classified.

Special indications of danger to humans and the environment:

Not flammable under normal usage conditions but contains flammable substances. (The test for the formation of ignitable mixtures in a confined space (drum test FEA X610-E) was negative).

Classification system:

Not classified.

Label elements

Marking according to the Regulation (EC) No 1272/2008:

Safety warnings:

H229 Pressurized container: may burst if heated.

Safety instructions:

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.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Other hazard information:

Contains 15% weight by weight flammable components.

Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable

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3. Composition/information on ingredients

Chemical characterisation:

Description:

Mixtures

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

Dangerous ingredients:			
CAS: 115-10-6 EINECS: 204-065-8 Index no.: 603-019-00-8	Dimethylether		10 – 20%
		F+, R12	
	Flam. gas 1:		H220
	Press. gas:		H280

Additional information:

See section 16 for the wording of the listed indications of danger.

4. First aid measures

Description of first aid measures

General:

Do not give anything to people who are unconscious. In case of illness seek medical advice. (If possible, present the label from the can).

After inhalation:

Move the person affected into the fresh air, keeping them warm and calm.

After skin contact:

Immediately remove any clothing contaminated with or soaked in the product and wash the skin with plenty of soap and water.

After eye contact:

Rinse the eyes for several minutes under running water keeping the eyelids open.

After swallowing:

If the pain or redness persists, consult an emergency doctor.

Immediately rinse out the mouth then drink plenty of water.

Caution: vomiting poses a risk of aspiration! Get medical assistance.

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. Firefighting measures

Extinguishing media

Suitable extinguishing media:

Foam, dry powder, CO₂, water spray jet, sand.

Extinguishing media which is unsuitable for safety reasons:

Full water jet.

Special hazards arising from the substance or mixture:

No further relevant information available.

Advice for firefighters:

Immediately remove intact cans from the hazard area.

To avoid the risk of bursting, cool with water, if applicable.

Collect contaminated extinguishing water separately. Do not allow to reach sewers or ground water.

Special protective equipment:

Wear a self-contained respiratory protective device.

Wear a fully protective suit.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected people away.

Environmental precautions:

Do not allow to enter sewers or ground water.

Methods and material for containment and cleaning up:

Ensure sufficient ventilation.
Following spillages or leakages, clean up with absorbent material and dispose of this in line with regulations.

Additional information:

Keep away from ignition sources – do not smoke!

Reference to other sections:

See section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See section 13 for disposal information.

7. Handling and storage

Handling:

Precautions for safe handling:

Ensure sufficient ventilation/exhaust ventilation in the working area.
Handle containers with care. Observe warnings.
Wash hands prior to breaks and after work.
Do not eat or drink during work.

Information about fire and explosion protection:

Keep away from ignition sources – do not smoke.
Take precautionary measures against electrostatic discharges.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storage

rooms and vessels:

Keep containers tightly sealed. Store containers in a cool, well-ventilated location.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Information about storage in a common storage facility:

Do not store with:
- Acids
- Strong oxidising agents

Further information about storage conditions:

Protect from heat and direct sunlight.

Specific end use(s):

No further relevant information available.

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8. Exposure controls/personal protection

Additional information about the design of technical facilities:

No further information; see section 7.

Control parameters

Components with limit values that require monitoring at the workplace according to TRGS 900
Threshold limit values/TRGS 903 'Biological Limits':

115-10-6 Dimethylether	
TLV (Germany)	1920 mg/m ³ , 1000 ml/m ³
TLV (Spain)	1920 mg/m ³ , 1000 ml/m ³

Additional information:

Based on the lists valid at the time of creation.

Exposure controls

Personal protective equipment:

General protective and hygiene measures:

Wash hands prior to breaks and after work.
Do not inhale aerosols. Do not eat, drink or smoke during work.

Respiratory protection:

Use outdoors or in well-ventilated areas.
If used as intended, no protective equipment necessary.
Wear a protective mask if necessary. Respiratory filter type A or AX.

Hand protection:

Glove material:

Eye protection:

Wear protective gloves if necessary.
Nitrile rubber. Recommended material thickness: 0.3 mm

Do not spray in the eyes.

Body protection:

Wear tightly sealed basket goggles where necessary.
If used as intended, no body protection necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

General information	
Appearance	
Form:	Aerosol
Colour:	Colourless
Odour:	Characteristic
pH at 20°C:	< 8
Evaporation rate (butyl acetate=1)	No data available
Freezing point	< 0°C
Boiling point	> 250°C
Change in physical state	
Boiling point/boiling range:	Not applicable, aerosol
Flash point:	Not applicable, aerosol
Flammability (solid, gas):	The product is not flammable.
Auto-ignition	The product is not auto-igniting.
Explosive limits:	
Lower:	No data available
Upper:	No data available
Vapour pressure at 20°C:	No data available
50°C:	No data available
Density at 20°C:	< 0.98
Solubility in/miscibility with water at 20°C:	Water soluble
Viscosity:	
Dynamic	No data available
Kinematic	No data available

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10. Stability and reactivity

Reactivity:	No reactions if stored and used according to specifications.
Chemical stability:	Not specified.
Possibility of hazardous reactions:	No hazardous reactions known.
Conditions to avoid:	Protect from temperatures over 50°C, otherwise risk of bursting. Avoid overheating. Store in frost-free conditions.
Incompatible materials:	Acids, strong oxidising agents
Hazardous decomposition products:	None if used under recommended storage and handling conditions. In case of fire toxic gases such as carbon dioxide/carbon monoxide are released.

11. Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC 50 values of relevance for classification:		
Dimethylether		
Inhalative	LC 50	> 100,000 mg/m ³ (rat)

Primary irritation:

Skin irritation:	No irritation. pH: < 8
Eye irritation:	No irritation. pH: < 8
Sensitisation:	No sensitisation known.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified

STOT single exposure: Not classified

STOT repeated exposure: Not classified

Aspiration hazard: Not classified

Potential adverse effects on people and possible symptoms: The classification criteria are not fulfilled on the basis of the available data.

12. Ecological information

Toxicity:

Dimethylether		
	LD 50 Fish 1	4,100 mg/l
	EC 50 Daphnia 1	4,400 mg/l

Persistence and degradability: Not specified.

Behaviour in environmental compartments:

Bioaccumulative potential: Not specified.

Mobility in soil: No relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: Avoid release into the environment

13. Disposal considerations

Waste treatment methods

Recommendation: Containers with residual contents must not be disposed of with household waste.
Do not allow the product to enter the sewage system.

European waste catalogue	
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	Packaging (including separately collected municipal packaging waste)
15 01 04	Metallic packaging

Uncleaned packaging

Recommendation: Disposal in accordance with official regulations

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14. Transport information

UN number:

ADR, IMDG, IATA: UN1950

UN proper shipping name:

ADR: 1950 AEROSOLS
IMDG: AEROSOLS
IATA: AEROSOLS, non-flammable

Transport hazard class(es):

ADR:
Class:
Label:



5A gases
2.2

IMDG, IATA:
Class:
Label:



2
2.2

Packing group:

ADR, IMDG, IATA: Not applicable.

Environmental hazards:

Marine pollutant: No.

Special precautions for user:

Special provisions: Caution: gases
190, 327, 344, 625

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

Not applicable.

Transport/additional information:

ADR:
Limited quantity (LQ): 1 L
Transport category: 3
Tunnel restriction code: E
Released quantities: E0
UN 'Model regulation': UN1950, AEROSOLS, 2.2 (E)

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15. Regulatory information

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

Marking according to the Regulation

(EC) No 1272/2008:

The product has been classified and labelled in accordance with the CLP Regulation.

Signal word:

Caution

Safety warnings:

H229 Pressurized container: may burst if heated.

Safety instructions:

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.

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Restrictions on use (Annex XVII) of Regulation (EC) No 1907/2006 (REACH) are applicable:

Dimethylether

40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI of Regulation (EC) No 1272/2008 or not.

National regulations:

No relevant information available.

Chemical safety assessment:

No chemical safety assessment has been performed.

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16. Other information

Revisions to the previous versions are marked with "*" in the left margin.

Relevant statements:

H220	Extremely flammable gas.
H280	Contains gas under pressure; may explode if heated.
R12	Extremely flammable.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the International Civil Aviation Organization (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
VOC: Volatile Organic Compounds (USA, EU)
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LC50: Lethal concentration, 50 percent.
LD50: Lethal dose, 50 percent
Flam. gas 1: flammable gases, hazard category 1
Press. gas: gases under pressure: compressed gas

Sources:

Dangerous Preparations Directive (1999/45/EC) as last amended by Council Regulation (EC) No 1997/2006
Dangerous Substances Directive (67/548/EEC) as last amended by Directive 2009/2/EC.
REACH Regulation (EC) No 1907/2006 as last amended by Regulation (EU) No 453/2010
Regulation (EC) No 1272/2008 as last amended by Regulation (EC) No 790/2009.
Aerosol Directive (75/324/EEC), last modified by Directive (EU) No 2013/10.

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.