

EC-Material Safety Data Sheet

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

Trade name: Anti-Spatter-Spray, non-combustible

Issue of: 03.09.2010

Printed date: 21.02.2011

last revision: 17.12.2010



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

Product details

Trade name: BINZEL Anti-Spatter-Spray, non-combustible
Application of the substance/the preparation: Protective welding agent

Manufacturer/Supplier: Alexander Binzel Schweißtechnik GmbH & Co. KG
Postfach 10 01 53 / D- 35331 Gießen

Phone: + 49 (0) 6408/59-0

Respondet Person: Technische Dokumentation

Phone: + 49 (0) 6408/59-0

e-Mail: technischedokumentation@binzel-abicor.com

Emergency information: Laboratory
Phone: + 49 (0) 640859-0

2. Hazards identification

Hazard description: This product does not require labelling.

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 aqueous tenside solution with additives as triglycerides, castor oil oleate, fatty acids and potassium to neutralize. Propellant is carbon dioxide.

Dangerous Components:			
CAS: 124-38-9 EINECS: 204-696-9	Carbon dioxide		GHS04; H280 >3 <10%
CAS: 95465-87-5 EINECS: 306-002-0	Fatty acids C8-C10		Xi / GHS04, GHS07; R36/38 / H280, H315, H319 >0 <0,1%
CAS: 1310-58-3 EINECS: 215-181-3	Potassium hydroxide 45%		C / GHS05, GHS07; R22, R35 / H302, H314 2,5-10%
	non-ionic tenside		>5 <10%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures (Symptoms)

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

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4. First aid measures (Measures)

General advice:

After inhalation:

After skin contact:

After eye contact:

After swallowing:

Information to physician:



Instantly remove any clothing soiled by the product.

Inhale fresh air, consult doctor in case of discomfort. Move affected person into fresh air, keep warm and allow to rest.

Immediate wash with water and soap, rinse thoroughly. Remove contaminated clothes immediately.

Rinse eyes with eyelids open with flowing water for several minutes. Consult doctor in case of continuing discomfort.

Do not induce vomiting, consult doctor immediately.

May lead to head ache or nausea. Show label or can.

5. Fire-fighting measures

Suitable extinguishing media:

Extinguishing media which must not be used for safety reasons:

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Special protective equipment:

Additional information

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

Full water jet.

In case of fire dangerous vapours/gases could arise.

Wear a self-contained breathing apparatus, full protective clothing.

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!

Safety measures in chapter 7 and 8.

Measures for environmental protection:

Measures for cleaning/collecting:



Do not allow to enter groundwater, natural waters or canalisation.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents, sawdust). Dispose of the collected material according to regulations.

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, eat, drink.

Do not carry in the interior of cars.

Information about fire- and explosion protection:



Keep away from sources of ignition – do not smoke.

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.

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):

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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)
204-696-9 Carbon dioxide		
AGW (Germany)	9.100 mg/m ³ , 5.000 ml/m ³ Peak limitation.: Overflow factor 2(II) Remark: DFG, EC	

Additional Information

Based on the lists valid during the creation.

Personal protective equipment:

General protective and hygienic measures:

Wash hands during breaks and at the end of the work session.
Do not eat, drink or smoke while working.
Do not breathe aerosol.
NOTICE: Use skin protection cream for preventive skin protection.

Respiratory protection:



Respiratory protection necessary in case of insufficient ventilation!
Not required with good space ventilation or if used outside.

Protection of hands:



Protective gloves.
Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves:

on further

calculated

Penetration time of glove material:

under
50% of the



The selection of the suitable gloves does not only depend on the material, but also marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be in advance and has therefore to be checked prior to the application.
The determined penetration times according to EN 374 part III are not performed practical conditions. Therefore a maximum wearing time, which corresponds to penetration time, is recommended.

Eye protection:

Body protection:



Tightly sealed safety glasses.
Body protection: Protective clothing (long trousers, long sleeve shirt). Cover all the skin also if it is hot.
Depending on the treatment: Wear spray-resistant trousers or overall.

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9. Physical and chemical properties

General information	
Form:	Aerosol
Colour:	white, milky
Odour:	odourless
ph-value at 20°C/68°F:	neutral
Change in physical state	
Boiling temperature/boiling range:	not applicable
Flash point:	not applicable
Auto ignition temperature:	not applicable, as aerosol
Flammability:	No, propellant carbon dioxide.
Danger of explosion:	Protect from temperatures over 50°C/122°F, otherwise burst danger.
Explosion limits:	
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Oxidising properties:	
Vapour pressure 20°C/68°F:	4,5 bar (internal can pressure)
50°C/122°F:	8,0 bar (internal can pressure)
Test gauge pressure of the cans:	12 bar
Relative density at 20°C/68°F:	1,0 g/ml (calculated)
Solubility in/miscibility with water at 20°C/68°F:	soluble
Viscosity (kinematic):	not applicable, as aerosol
Solvent Content:	not applicable
Organic solvent:	none
VOC (EU)	0 kg/can
VOVC (CH):	0 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.

11. Toxicological information

The classification of the preparation has been made according to the results of the analysis of the general preparation guideline (1999/45/EG).

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.

12. Ecological information

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

Product


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 gases
Classification code	5F
Kemler-Code:	20
UN-Number:	UN 1950
Packaging 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
Packaging group:	-
EMS-Number:	F-D,S-U
Marine pollutant:	No
Real technical name:	AEROSOLS

Lufttransport ICAO-TI und IATA-DGR:	
	
ICAO/IATA Class:	2
UN/ID Number:	UN 1950
Label	2.1
Packaging group:	-
Real technical name:	AEROSOLS

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15. Regulatory information

Marking in accordance with the EMC Directives:

The product has been classified and marked in accordance with the EC Directives 67/548/EEC and 1999/45 EC/Ordinance on Hazardous Substances (GefStoffV).

Danger symbols: Signal word:



DANGER

Safety warnings:

R22 / H302 Harmful if swallowed.
R35 / H314 Causes severe skin burns and eye damage.
R36 / H319 Irritating to eyes.
R38 / H315 Irritating to skin.
H280 Contains gas under pressure; may explode if heated.

Safety Instructions:

S2 / P102 Keep out of the reach of children.
S16 / P210 Keep away from sources of ignition – No smoking.
S23 / P260 Do not breathe aerosol.
S51 / P285 Only use in well-ventilated areas.

Observe statutory order on hazardous incidents:

Yes

Special provisions 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):

-

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.

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16. Other information

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

Bibliographic reference and data sources:

Regulatory Information:

Dangerous Preparations Directive (1999/45/EC), last changed by Ordinance (EC) No. 1907/2006
Dangerous Substances Directive (67/548/EEC), last changed by Directive 2009/2/EC
REACH Ordinance (EC) No. 1907/2006, last changed by Ordinance (EC) No. 552/2009
Ordinance (EC) No. 1272/2008, last changed by Ordinance (EC) No. 790/2009

Safety warnings referred to in section 2 and 3:

according to the regulation (EC) no. 1272/2008

Flammable liquids, Category 2; H225 – Highly flammable liquid and vapour

Gases under pressure, Category verdichtetes Gas; H280 – Contains gas under pressure; may explosive if heated

Skin corrosion / irritation, Category 2; H314 – Causes severe skin burns and eye damage.

Skin corrosion / irritation, Category 1A; H315 – Irritating to skin.

Serious eye damage/eye irritation, Category 2; H319 – Causes serious eye irritation.

According to guideline 67/548/EWG:

R12 Extremely flammable

R22 Harmful if swallowed

R36 Irritation to eyes

R38 Irritation to skin

This information is based on the present state of knowledge and should not be construed as any guarantee of the technical performance or suitability for particular applications. The user is responsible for ensuring that the requirements of the relevant legislation are complied with. The company cannot be held responsible for any damage caused by handling or contact with the above-mentioned product.

