

SAFETY DATA SHEET

According to OSHA HCS Rules and Regulations

According to the ordinance 1907/2006/EC, paragraph 31

Trade name: Protective ceramic coating spray

Last revised on: 14.07.2015

Date of issue: 05.09.2016



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

PRODUCT INFORMATION:

1.1 PRODUCT IDENTIFIER: Ceramic Protective Spray ABI-SHIELD Part Numbers: 192.0196.1 192.0210

TRADE NAMES: Ceramic Spray, Ceramic Protective Spray, Protective Ceramic Coating Spray

1.2 INTENDED USE OF PRODUCT: Industrial Use Only - Protective Coating for Tips/Nozzles of MIG Welding Torches.

1.3 COMPANY DETAILS:

Manufacturer: Alexander Binzel Schweißtechnik GmbH & Co. KG

Postfach 10 01 53 / D- 35331 Gießen, Germany Phone: + 49 (0) 6408/59-0

Technical documentation Phone: + 49 (0) 6408/59-0 e-Mail: technischedokumentation@binzel-abicor.com

Distribution: ABICOR Binzel USA & Canada

650 Medimmune Court Suite 110 Frederick, MD 21703

Information: Phone 301-542-4867 Website <http://binzel-abicor.com/US/eng/home/>

1.4 EMERGENCY TELEPHONE NUMBERS:

USA: Poison Control Center Phone Number, 1-800-222-1222

Canada ONLY: CANUTEC (CALL COLLECT) (613) 996-6666

Germany ONLY: Emergency poison control centre Mainz - 24-hour hotline Phone: +49 (0) 6131 19240

Section 2: Hazards identification

2.1 CLASSIFICATION OF SUBSTANCE OR MIXTURE

GHS Classification in accordance with 29 CFR 1910.1200 OSHA Hazard Communication Standard

Classification according to Regulation (EC) No. 1272/2008 (CLP)



Extremely flammable

Flam. Aerosol 1 H222-H229 - Extremely flammable aerosol. Pressurized container: May burst if heated.

2.2 GHS LABEL ELEMENTS

Hazard Pictograms:

The product is classified and labelled according to the CLP regulation.



GHS02

Signal word:

Danger

Hazard statements:

H222-H229

Extremely flammable aerosol. Pressurised container: May burst if heated.

Precautionary statements:

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+P412

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

2.3 Other hazards:

No additional information available

Section 3: Composition / information on ingredients

3.1 Substance: Not applicable
 3.2 Chemical characterisation: Mixture

Dangerous substances:		
CAS: 68512-91-4 EINECS: 270-990-9 Index-No:	Hydrocarbons, C3-4-rich, petroleum distillate, Petroleum gas	Flam. gas 1:  H220
		20-40%

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

Section 4: First aid measures

4.1 Description of the first aid measures

General measures:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After inhalation:

Supply fresh air, consult doctor in case of complaints. Bring the concerned person to fresh air and place in a resting position.

After skin contact:

Immediately remove the clothing contaminated with, soaked in the product and wash the skin area with lots of water and soap.

After eye contact:

Rinse eyes under running water with eyelids open for several minutes. If discomfort persists, visit a doctor.

After swallowing:

Rinse out mouth. Do not induce vomiting, contact the doctor immediately.

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

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention or special treatment:

No additional information available.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture:

No additional information available.

5.2 Advice for firefighters

Firefighting instructions:

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting:

Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures:

Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment:

Equip cleanup crew with proper protection.

Emergency procedures:

Ventilate area.

6.2 Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up:

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Collect all waste in suitable and labelled containers and dispose according to local legislation.

6.4 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.

Section 7: Handling and storage

7.1 Precautions for safe handling:

Additional hazards when processed:

Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures:

Wash hands, forearms and face thoroughly after handling.

7.2 Conditions for safe storage including any incompatibilities

Storage conditions:

Keep only in the original container in a cool, well ventilated place away from : heat sources, direct sunlight, ignition sources. Keep container closed when not in use.

Incompatible products:

Strong bases. Strong acids.

Incompatible materials:

Sources of ignition. Direct sunlight.

7.3 Specific end use(s):

see Section 1

Section 8: Exposure controls / personal protection

8.1 Control parameters:

No additional information available.

8.2 Exposure controls:

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses.

Respiratory protection:

Wear appropriate mask.

Other information:

Do not eat, drink or smoke during use.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General information	
Appearance	Liquid
Physical state:	Aerosol
Form:	white
Colour:	characteristic
Odour:	No information available
Odour threshold:	No information available
ph-value at 20°C:	No information available
Change of state	No information available
Relative evaporation rate (butylacetate=1):	No information available
Melting point/Melting range:	No information available
Boiling point/Boiling range:	No information available
Freezing point:	No information available
Flash point:	No information available
Auto-ignition temperature:	No information available
Decomposition temperature:	No information available
Flammability (solid, gas):	Non flammable
Vapour pressure:	No information available
Relative vapour density at 20°C:	No information available
Relative density:	No information available
Density:	0,64 g/cm ³
Solubility:	No information available
Log Pow:	No information available
Viscosity, kinematic:	No information available
Viscosity, dynamic:	No information available
Explosive properties:	No information available
Oxidising properties:	No information available
Explosive limits:	No information available
9.2 Other Information	No further relevant information available

Section 10: Stability and reactivity

10.1 Reactivity:	Not applicable
10.2 Chemical stability:	Extremely flammable aerosol. Stable under use and storage conditions as recommended in section 7
10.3 Possibility of hazardous reactions:	Not applicable
10.4 Conditions to be avoided:	Direct sunlight. Extremely high or low temperatures.
10.5 Incompatible materials:	Strong acids. Strong bases.
10.6 Hazardous decomposition products:	None if used appropriately. In case of fire toxic gases such as carbon dioxide/carbon monoxide are released.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	Not classified.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory or skin sensitisation:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific target organ toxicity (single exposure):	Not classified.
Specific target organ toxicity (repeated exposure):	Not classified.
Aspiration hazard:	Not classified.

Protective ceramic coating spray	
Vaporizer	Aerosol

Section 12: Ecological information

12.1 Toxicity

Ecology-general: Avoid release to the environment.

12.2 Persistence and degradability

Protective ceramic coating spray	
Persistence and degradability	Not established

12.3 Bioaccumulative potential: No further relevant information available.

Protective ceramic coating spray	
Bioaccumulative potential	Not established
Hydrocarbons, C3-4-rich, petroleum distillate, Petroleum gas (68512-91-4)	
BCF fish 1	74
Log Kow	2,76

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment: No further relevant information available.

12.6 Other adverse effects: No further relevant information available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Recommendation: Dispose in a safe manner in accordance with local/national regulations.

Ecology-waste materials: Avoid release to the environment.

European waste catalogue	
15 01 04	metallic packaging
15 01 10*	packaging containing residues of or contaminated by dangerous substances

Section 14: Transport information

14.1 UN number

ADR, IMDG, IATA, ADN, RID: 1950

14.2 UN proper shipping name

ADR: AEROSOLS

IMDG: AEROSOLS

IATA: AEROSOLS, flammable

ADN: AEROSOLS

RID: AEROSOLS

Transport document description (ADR): UN 1950 AEROSOLS (CONTAINS ; Hydrocarbons, C3-4-rich, petroleum distillate, Petroleum gas(68512-91-4)), 2.1, (D)

Transport document description (IMDG): UN 1950 AEROSOLS, 2.1

14.3 Transport hazard class(es)

ADR, IMDG, IATA, ADN, RID



Class: 2.1

Label: 2.1

14.4 Packaging group

ADR, IMDG, IATA, ADN, RID: Not applicable

14.5 Environmental hazards

Dangerous for the environment: No

Marine pollutant: No

Other information: No supplementary information available

14.6 Special precautions for user

Overland transport

Classification code (ADR): 5F

Special provisions (ADR): 190, 327, 344, 625

Limited quantities (ADR): 1L

Excepted quantities (ADR): E0

Packing instructions (ADR): P207, LP02

Special packing provisions (ADR): PP87, RR6, L2

Mixed packing provisions (ADR): MP9

Transport category (ADR): 2

Special provisions for carriage – Packages (ADR): V14

Special provisions for carriage - Loading and unloading (ADR): CV9, CV12

Special provisions for carriage – Operation (ADR): S2

Tunnel restriction code (ADR): D

Transport by sea

Special provisions (IMDG): 63,190,277,327,344,959

Limited quantities (IMDG): SP277

Excepted quantities (IMDG): E0

Packing instructions (IMDG): P207, LP02

Special packing provisions (IMDG): PP87, L2

EmS-No. (Fire): F-D

EmS-No. (Spillage): S-U

Stowage category (IMDG): None

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Air transport

PCA Excepted quantities (IATA):	E0
PCA Limited quantities (IATA):	Y203
PCA limited quantity max net quantity (IATA):	30kg G
PCA packing instructions (IATA):	203
PCA max net quantity (IATA):	75kg
CAO packing instructions (IATA):	203
CAO max net quantity (IATA):	150kg
Special provisions (IATA):	A145, A167, A802
ERG code (IATA):	10L

Inland waterway transport

Classification code (ADN):	5F
Special provisions (ADN):	19, 327, 344, 625
Limited quantities (ADN):	1L
Excepted quantities (ADN):	E0
Equipment required (ADN):	PP, EX, A
Ventilation (ADN):	VE01, VE04
Number of blue cones/lights (ADN):	1
Not subject to ADN:	No

Rail transport

Classification code (RID):	5F
Special provision (RID):	190, 327, 344, 625
Limited quantities (RID):	1L
Excepted quantities (RID):	E0
Packing instructions (RID):	P207, LP02
Special packing provisions (RID):	PP87, RR6, L2
Mixed packing provisions (RID):	MP9
Transport category (RID):	2
Special provisions for carriage – Packages (RID):	W14
Special provisions for carriage – Loading and unloading (RID):	CW9, CW12
Colis express (express parcels) (RID):	CE2
Hazard identification number (RID):	23
Carriage prohibited (RID):	No

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

Not applicable

Section 15: Regulatory information

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

15.1.1 EU-Regulations

Contains no substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

USA Regulations: TSCA (Toxic Substances Control Act): All ingredients are listed or exempted.

15.1.2 National regulations

Germany

VwVwS Annex reference:

Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4
LGK 2B - Aerosols

Storage class (LGK):

12th Ordinance Implementing the Federal
Immission Control Act - 12.BImSchV:

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

California Proposition 65:

This product contains a chemical known in the State of California to cause cancer.

This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada Regulatory Information - CEPA DSL/NDL Status:

All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

Section 16: Other information

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rai

Data sources:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Other information:

None.

Full text of R-, H- and EUH-phrases	
Aerosol 1	Aerosol, Category 1
Flam. Gas 1	Flammable gases, Category 1
Press. Gas	Gases under pressure
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
R12	Extremely flammable
F+	Extremely flammable

SDS EU (REACH Annex II)

SDS USA (GY)

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.