

Technical Datasheet



Trade name : E-WELD Shield
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Description

E-WELD Shield enables a clean, time- and cost effective work in the area of plasma and laser cutting. It effectively prevents larger slag clogging and allows easy slag removal. This ensures that the workpieces are in place on the bars at any time, which increases the quality of the cutting results. The service life of the bars is increased and thus the plant availability, as the cleaning and set-up time is considerably reduced.

Chemical characterisation

Coating for plasma and laser cutting benches based on ceramic additives.

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

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Category 3 ; Harmful to aquatic life with long lasting effects.

Transport information

ADR : -

Water hazard class (Classification according to VwVwS)

Water hazard class : 1 (Slightly hazardous to water)

Labelling for contents according to regulation (EC) No. 648/2004

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Safety equipment

Eye / Face protection:	suitable safety goggles acc. EN 166	In case of splash
Hand protection:	suitable gloves type EN 374	In case of possible or enduring skin contact
Respiratory protection:	Combination filtering device DIN EN 14387	not necessary

Application

E-WELD Shield should be thoroughly mixed before use and applied to the new or cleaned crosspieces ideally twice. Drying time approx. 1 h. Remove the slag after approx. 4 weeks and apply a new sacrificial layer E-WELD Shield.

1 liter E-WELD Shield is sufficient for approx. 20 m².

Technical data

Appearance :	liquid	viscosity :	300 mPa*s
Colour :	light grey	Ignition temperature :	not available
Odour :	characteristic	Upper explosion limit :	not applicable
Boiling temperature :	> 100 °C	pH-value :	7 - 8
Flash point :	not applicable	VOC (CH) :	< 3 Wt %
Lower explosion limit :	not applicable		
Density (20 °C) :	ca. 1,4 g/cm ³		
VOC (EG) :	< 3 Wt %		

Storage

Keep container tightly closed. Keep/store only in original container. Protect against sub-zero temperatures. Optimized storage temperature is between 2 °C up to 35 °C. The product is storable in closed original packaging for at least 12 months. Starting date is the date of production.

Storage class (acc. TRGS 510): 12

Disposal advices

The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

Waste code acc. EWC/AVV for unused product	Waste code acc. EWC/AVV for packaging
08 02 03 Aqueous suspensions containing ceramic materials.	15 01 02 plastic packaging

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

Order information

D01116	10 l Jerry Can
D01116-SP	10 l Jerry Can – package with application system W 570 Flexio
HW0116	Application system W 570 Flexio