acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

1 Identification

- · Product identifier
- · Trade name: BÖHLER FOX EV 60
- · CAS Number: -
- · EINECS Number: -
- · Application of the substance / the mixture

Shielded Metal Arc Welding Electrode

The product is a manufactured article in the sense of Article 3 No. 3, 1907/2006/EC (REACh). The purpose of the present safety data sheet is therefore to provide instruction on safe usage of the product.

- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

voestalpine Böhler Welding Austria GmbH Böhler-Welding-St. 1 8605 Kapfenberg

Tel.: +43/50304/31-0 Fax: +43/50304/71-95193 www.voestalpine.com/welding

voestalpine Böhler Welding USA 1601 Gillingham Suite 110 Sugar Land, TX 77478 Telephone: 281-499-1212 Fax: 832-944-6942 www.voestalpine.com/welding

· Information department:

Research and Development Deniece Fiedler

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Procurement/Logistics Chris Smith tel: 281-499-1212 Mobile: 832-520-9040 chris.smith@voestalpine.com

· Emergency telephone number:

NCEC

+1 202 464 2554 (USA, Canada)

+44 1865 407333 (English)

+44 1235 239670 (English, French, Spain)

2 Hazard(s) identification

· Classification of the substance or mixture

Classified according to the criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Controlled Products Regulations.

(Contd. on page 2)

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 1)

The Product does not meet the criteria for classification in any hazard class according to GHS.

- · Label elements
- · GHS label elements Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Information pertaining to particular dangers for man and environment:
- NFPA ratings (scale 0 4)



Health = 1 Fire = 0 Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = *0 Fire = 0 Reactivity = 0

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · **Description**: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:				
CAS: 7439-96-5 EINECS: 231-105-1	manganese		5-12.5%	
CAS: 14808-60-7 EINECS: 238-878-4	silicon dioxide	& Carc. 1A, H350	0.1-2.5%	
CAS: 1330-43-4 EINECS: 215-540-4	disodium tetraborate, anhydrous	♣ Repr. 1B, H360	0.1-2.5%	

4 First-aid measures

- · Description of first aid measures
- · General information: No special measures required.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: Seek medical treatment.
- · 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.

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acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 2)

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents: Suitable to surrounding conditions
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters -
- · Protective equipment: No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Use respiratory protective device against the effects of fumes/dust/aerosol.

- · Environmental precautions: No special measures required.
- · Methods and material for containment and cleaning up: Pick up mechanically.
- · 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.

· Protective Action Criteria for Chemicals

PAC-1:		
7439-89-6		3.2 mg/m³
	manganese	3 mg/m³
14808-60-7	silicon dioxide	0.075 mg/m³
7440-21-3	silicon	45 mg/m³
7440-02-0	nickel	4.5 mg/m³
13463-67-7	titanium dioxide	30 mg/m³
1344-28-1	aluminium oxide	15 mg/m³
7440-44-0	carbon	6 mg/m³
1330-43-4	disodium tetraborate, anhydrous	6 mg/m³
554-13-2	lithium carbonate	3.1 mg/m³
7440-50-8	copper	3 mg/m³
7440-47-3	chromium	1.5 mg/m³
7723-14-0	phosphorus	0.27 mg/m³
7439-98-7	molybdenum	30 mg/m³
7440-62-2	vanadium	3 mg/m³
7440-03-1	niobium	30 mg/m³
7440-31-5	tin	6 mg/m³
7727-37-9	nitrogen	7.96E+05 ppr
1309-37-1	iron trioxide	15 mg/m³
1314-23-4	zirconium oxide	14 mg/m³
7440-38-2	arsenic	1.5 mg/m³
7440-36-0	antimony	1.5 mg/m³
PAC-2:		
7439-89-6	iron	35 mg/m³
7439-96-5	manganese	5 mg/m³
	silicon dioxide	33 mg/m³
7440-21-3	silicon	100 mg/m³
		(Contd. on page

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

7440-02-0	nickel	(Contd. of page 3 50 mg/m³
13463-67-7	titanium dioxide	330 mg/m³
	aluminium oxide	170 mg/m³
7440-44-0	carbon	330 mg/m³
1330-43-4	disodium tetraborate, anhydrous	88 mg/m³
	lithium carbonate	34 mg/m³
7440-50-8	copper	33 mg/m³
7440-47-3	chromium	17 mg/m³
7723-14-0	phosphorus	3 mg/m³
	molybdenum	330 mg/m³
7440-62-2	-	5.8 mg/m³
7440-03-1	niobium	330 mg/m³
7440-31-5	tin	67 mg/m³
7727-37-9	nitrogen	8.32E+05 ppm
	iron trioxide	360 mg/m³
1314-23-4	zirconium oxide	110 mg/m³
7440-38-2	arsenic	17 mg/m³
7440-36-0	antimony	13 mg/m³
PAC-3:	•	
7439-89-6	iron	150 mg/m³
7439-96-5	manganese	1,800 mg/m³
14808-60-7	silicon dioxide	200 mg/m³
7440-21-3	silicon	630 mg/m³
7440-02-0	nickel	99 mg/m³
13463-67-7	titanium dioxide	2,000 mg/m³
1344-28-1	aluminium oxide	990 mg/m³
7440-44-0	carbon	2,000 mg/m³
1330-43-4	disodium tetraborate, anhydrous	530 mg/m³
554-13-2	lithium carbonate	210 mg/m³
7440-50-8	copper	200 mg/m³
7440-47-3	chromium	99 mg/m³
7723-14-0	phosphorus	18 mg/m³
7439-98-7	molybdenum	2,000 mg/m³
7440-62-2	vanadium	35 mg/m³
7440-03-1	niobium	2,000 mg/m³
7440-31-5	tin	400 mg/m³
7727-37-9	nitrogen	8.69E+05 ppm
	iron trioxide	2,200 mg/m ³
1314-23-4	zirconium oxide	680 mg/m³
7440-38-2		100 mg/m³
	antimony	80 mg/m³

7 Handling and storage

- · Handling:
- · Precautions for safe handling Ensure that suitable extractors are available on processing machines

(Contd. on page 5)

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 4)

- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- · Control parameters
- · Components with limit values that require monitoring at the workplace:

7439-96-5 manganese

PEL | Ceiling limit value: 5 mg/m3

as Mn

REL | Short-term value: 3 mg/m³

Long-term value: 1 mg/m3

fume, as Mn

TLV Long-term value: 0.02* 0.1** mg/m³

as Mn; *respirable **inhalable fraction

14808-60-7 silicon dioxide

PEL Long-term value: 0.05* mg/m3

*resp. dust; 30mg/m3/%SiO2+2

REL Long-term value: 0.05* mg/m3

*respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025* mg/m³

*as respirable fraction

1330-43-4 disodium tetraborate, anhydrous

REL Long-term value: 1 mg/m3

anhydrous

TLV | Short-term value: 6* mg/m³

Long-term value: 2* mg/m3 *as inhalable fraction

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures: Wash hands before breaks and at the end of work.
- Breathing equipment: Filter P2
- · Protection of hands:

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- · Eye protection: Safety glasses
- · Body protection:

Protective work clothing

Wear hand, head, and body protection which help to prevent injury from radiation, sparks, and electrical shock. See ANSI Z49.1. At a minimum this includes welder's gloves and a protective face shield, and may include arm protectors, aprons, hats, shoulder protection, and well as dark substantial clothing. Train the welder not to touch live electrical parts and to insulate himself from work and ground.

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 5)

Information on basic physical and	chemical properties
General Information	
Appearance:	0-11-1
Form: Color:	Solid
Odor:	According to product specification Odorless
Odor threshold:	Not determined.
pH-value:	Not applicable.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Density:	Not determined.
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Water:	Insoluble.
Partition coefficient (n-octanol/wat	ter): Not determined.
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent separation test	
VOC content:	0.00 %

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products:

Reasonably expected fume constituents of this product would include:

Copper Oxide

copper oxide.

Chromoxide.

Nickel oxide.

Reasonably expected gaseous constituents would include Carbon monoxide and Carbon dioxide. Ozone and nitrogen oxides may be formed by the radiation from the arc. One recommended way to determine the composition and quantity of fumes and gases to which workers are exposed is to take an air sample from inside the welder's

(Contd. on page 7)

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 6)

helmet if worn or in the worker's breathing zone. See ANSI/AWS F1.1 and ANSI/AWS F1.2-1992. In order to determine and evaluation of the existing problem areas, the standards EN ISO15011 –parts 1,4 can also be applied.

11 Toxicological information

- · Information on toxicological effects
- · 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:

The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Carcinogenic categories

IARC (Inte	rnational Agency for Research on Cancer)	
14808-60-7	silicon dioxide	1
7440-02-0	nickel	2E
13463-67-7	titanium dioxide	2E
NTP (Natio	nal Toxicology Program)	
14808-60-7	silicon dioxide	P
7440-02-0	nickel	F
OSHA-Ca	(Occupational Safety & Health Administration)	
None of the	ingredients is listed.	

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Not hazardous for water.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation: Must be specially treated adhering to official regulations.

(Contd. on page 8)

Page 8/12

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 7)

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

UN-Number	Void
DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name	
DOT, ADR, ADN, IMDG, IATA	Void
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA	
Class	Void
Packing group	
DOT, ADR, IMDG, IATA	Void
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	-
•	Void

15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Sara

	Section	355	/ovtromoly	hazardous	substances):
•	Section	300	lexii eiiieiv	Hazaruous	SUDStallCesi.

None of the ingredient is listed

· Section 313 (Specific toxic chemical listings):

7439-96-5 manganese

7440-02-0 nickel

1344-28-1 aluminium oxide

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

7439-96-5 manganese

7723-14-0 phosphorus

· Proposition 65

· Chemicals known to cause cancer:

14808-60-7 silicon dioxide

7440-02-0 nickel

(Contd. on page 9)

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

12/62 67 7	titanium diavida	(Contd. of pag			
13463-67-7 titanium dioxide					
	known to cause reproductive toxicity for females:				
None of the	ingredients is listed.				
Chemicals	known to cause reproductive toxicity for males:				
None of the	ingredients is listed.				
Chemicals	known to cause developmental toxicity:				
None of the	ingredients is listed.				
Canceroge	enity categories				
	ronmental Protection Agency)				
7439-96-5	· · · · · · · · · · · · · · · · · · ·				
TLV (Thre	shold Limit Value)				
14808-60-7	silicon dioxide	,			
7440-02-0	nickel	,			
13463-67-7	titanium dioxide	,			
1344-28-1	aluminium oxide	,			
NIOSH-Ca	(National Institute for Occupational Safety and Health	h)			
14808-60-7	silicon dioxide				
7440-02-0	nickel				
	titanium dioxide				

- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Additional information:

Recommendations for exposure scenarios, measures for risk management and identification of working conditions under which metals, metal alloys and products made of metal can be safely worked can be found attached. Detailed information can be found on our webpage www.voestalpine.com (Environment, REACH at voestalpine). (Contd. on page 10)

voestalpine Böhler Welding

Page 10/12

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 9)

Welding Exposure Scenario WES - ENGL

Recommendations for Exposure Scenarios, Risk Management Measures and to identify Operational

Conditions under which metals, alloys and metallic articles may be safely welded

Welding/Brazing produces fumes which can affect human health and the environment. Fumes are a varying mixture of airborne gases and fine particles which, if inhaled or swallowed, constitute a health hazard. The degree of risk will depend on the composition of the fume concentration of the fume and duration of exposure. The fume composition is dependent upon the material being worked, the process and consumables being used, coatings on the work such as paint, galvanizing or plating, oil or contaminants from cleaning and degreasing activities. A systematic approach to the assessment of exposure is necessary, taking into account the particular circumstances for the operator and ancillary worker that can be exposed.

Considering the emission of fumes when welding, brazing or cutting of metals, it is recommended to (1) arrange risk management measures through applying general information and guidelines provided by this exposure scenario and (2) using the information provided by the Safety Data Sheet, issued in accordance with REACH, by the welding consumable manufacturer.

The employer shall ensure that the risk from welding fumes to the safety and health of workers is eliminated or reduced to a minimum. The following principle shall be applied:

1- Select the applicable process/material combinations with the lowest class, whenever possible.

2- Set welding process with the lowest emission parameter.

3- Apply the relevant collective protective measure in accordance with class number. In general, the use of PPE is taken into account after all other measures is applied.

4- Wear the relevant personal protective equipment in accordance with the duty cycle.

In addition, compliance with the National Regulations regarding the exposure to welding fumes of welders and related personnel shall be verified.

In the table "Risk Management Measures for individual process / material combinations" below, reference is made to the following standards

EN ISO 15012-1:2004

Neasures:
Welding process Reference Numbers according to ISO 4063
Health and safety in welding and allied processes - Requirements testing and marking of equipment or air filtration - Part 1: Testing of the separation efficiency for welding fume Health and safety in welding and allied processes - Requirements, testing and marking of equipment for air filtration - Part 2: Determination of the minimum air volume flow rate of captor hoods and EN ISO 15012-2:2008

FN 149:2001

EN 1835:2000

nozzles
Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking (FFP1 - FFP2 - FFP3)
Respiratory protective devices. Light duty construction compressed air line breathing apparatus incorporating a helmet or a hood. Requirements, testing, marking (LDH1 - LDH2 - LDH3).
Respiratory protective devices. Powered filtering devices incorporating a helmet or a hood.
Requirements, testing, marking (TH1 - TH2 - TH3).
Respiratory protective devices — Particle filters — Requirements, testing, marking (P1, P2, P3)
Article 6.2 on the protection of the health and safety of workers from the risks related to chemical agents at work EN 143:2000 Directive 1998/24/EC

Article 0.2 of the protection of the result and salety of workers from the insist related to chemical agents at work Benutzung von Alemschutzgeräten (Berufsgenossenschaftliche Regel für Sicherheit und Gesundheit bei der Arbeit

Schweisstechnische Arbeiten (Technische Regeln für Gefahrstoffe)

Also in the table "Risk Management Measures for individual process / material combinations", reference is made to footnotes

The description of these footnotes:

e description of these footnotes:

Class: approximate ranking to mitigate risk by selecting process/material combinations with the lowest value.

Identified collective and individual risk management measures shall be applied

Personal Protective Equipment (PPE) required avoiding exceeding the National Exposure Limit Value (DC: Duty cycle expressed on 8

hours)
General Ventilation (GV) Low. With additional Local Exhaust Ventilation (LEV) and extracted air to the outside, the GV or LEV capacity

- may be reduced to 1/5 of the original requirement. General Ventilation (GV) Medium (double compared to Low)
- Filtrating half mask (FFP2)

- When an alloyed consumable is used, measures from "Class V" are required
 General Ventilation (GV) Low. When no Local Exhaust Ventilation, the ventilation requirement is 5-fold
 Filtrating half mask (FFP3), helmet with powered filters (Hz/P2), or helmet with power filters (Hz/P2), or helmet with external air supply (LDH2)
 Reduced (negative) pressured Area: A separate, ventilated area where reduced (negative) pressure, compared to the surrounded area, is

- Reduced (negative) pressured Area: A separate, ventilated area where reduced (negative) pressure, compared to the surrounded area, is maintained Local Exhaust Ventilation (LEV) High, extraction at source (includes table, hood, arm or forch extraction) Helmet with powered filters (TH3/P3), or helmet with external air supply (LDH3) Local Exhaust Ventilation (LEV) Low, extraction at source (includes table, hood, arm or forch extraction) Local Exhaust Ventilation (LEV) Medium, extraction at source (includes table, hood, arm or forch extraction) Recommended measures to comply with national maximum allowable limits. Extracted fumes, for all materials except unalloyed steel and aluminium, shall be filtered before release in the outside environment. A confined space, despite its name, is not necessarily small. Examples of confined spaces include ship, silos, vats, utility vaults, tanks, etc. Improved helmet, designed to avoid direct flow of welding fumes inside

- Not applicable Not recommended

(Contd. on page 11)

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 10)

Welding Exposure Scenario WES - ENGL

EWA2011

Risk Management Measures for individual process \emph{I} base material combinations

Class1	Process	Base	Remarks	Ventilation /	PPE ²	PPE ²
	(according to ISO 4063)	Materials	Non-confined sp	Extraction / Filtration ¹⁴	DC<15%	DC>15%
	LOTAN		Non-continea sp	ace"		
	GTAW 141 SAW 12 Autogeneous 3 PAW 15	All	Except Aluminium	GV low ³	n.r.	n.r.
	ESW/EGW 72/73 Resistance 2 Stud welding 78					
	Solid state 521					
	Gases Brazing 9		Except Cd- alloys	GV low ³	n.r.	n.r.
II	GTAW 141	Aluminium	n.a.	GV medium⁴	n.a.	FFP2 ⁶
III	MMAW 111	All	Except Be-, V- , Mn-, Ni- alloys and Stainless ⁶	GV low ⁷	Improved	FFP2 ⁵
	FCAW 136/137	All	Except Stainless and Ni- alloys ⁶	LEV low ¹²	helmet ¹⁶	
	GMAW 131/135	All	Except Cu-, Be-, V- alloys ⁶			
	Powder Plasma Arc 152	All	Except Be-, V-, Cu- , Mn-, Ni-alloys and Stainless ⁶			
IV	All processes class I	Painted / primed / oiled	No Pb containing primer	GV low ³	FFP2 ⁵	FFP3, TH2/P2,
	All processes class III	Painted / primed / oiled	No Pb containing primer	GV low ¹ LEV low ¹²		or LDH2 ⁸
V	MMAW 111	Stainless, Ni-, Be-, and V- alloys	n.a.	LEV high ¹⁰	TH3/P3, LDH3 ¹¹	TH3/P3, LDH3 ¹¹
	FCAW 136/137	Stainless, Mn- and Ni- alloys				
	GMAW 131	Cu-alloys]			
	Powder Plasma Arc 152	Stainless, Mn-, Ni-, and Cu- alloys				
VI	GMAW 131 Powder Plasma Arc 152	Be-, and V- alloys	n.a.	Reduced (negative) pressured area ⁹ LEV low ¹²	TH3/P3, LDH3 ¹¹	TH3/P3, LDH3 ¹¹
VII	Self shielded FCAW 114	Un-, high alloyed steel	Cored wire, not containing Ba	Reduced (negative) pressured area 9 LEV medium ¹³		
	Self shielded FCAW 114	Un-, high alloyed steel	Cored wire, containing Ba	Reduced (negative) pressured area 9 LEV high ¹⁰	TH3/P3, LDH3 ¹¹	TH3/P3, LDH3 ¹¹
	All	Painted / primed	Paint / Primer containing Pb			
	Arc Gouging and Cutting 8	All	n.a.			
	Thermal Spray	All	n.a.	1		
	Gases Brazing 9		n.a.	. 15		
	Transportation 50		losed system or Conf		1	1
ı	Laser Welding 52 Laser Cutting 84 Electron Beam 51		Closed system	GV medium⁴	n.a.	n.a.
VIII	All	All	Confined space	LEV high ¹⁰ External air supply	LDH3 ¹¹	LDH3 ¹¹

- · Training hints -
- · Department issuing SDS: Research and Development

Procurement/Logistics

· Contact:

Deniece Fiedler Chris Smith

· Date of preparation / last revision 04/30/2021 / 15

(Contd. on page 12)

voestalpine Böhler Welding

Page 12/12

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2021 Reviewed on 04/30/2021

Trade name: BÖHLER FOX EV 60

(Contd. of page 11)

· Abbreviations and acronyms:

NCEC - National Chemical Emergency Centre (=Carechem24)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of

Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany) VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4
Carc. 1A: Carcinogenicity – Category 1A
Repr. 1B: Reproductive toxicity – Category 1B

· * Data compared to the previous version altered.