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

- · 1.1 Product identifier
- · Trade name: <u>BÖHLER Q T 308L</u>
- · CAS Number: -
- · EINECS Number: -
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- Application of the substance / the mixture
 Rods and Wires for Welding
 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.
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

voestalpine Böhler Welding Germany GmbH Hafenstr. 21 59067 Hamm, Germany www.voestalpine.com/welding

· Further information obtainable from:

Research and Development Helena Stabel +49 2381 271 - 578; Helena.Stabel@voestalpine.com

· 1.4 Emergency telephone number:

NCEC

+44 1235 239670

- **SECTION 2: Hazards identification**
- · 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
 The Product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

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3.2 Chemical characterisation Description: Mixture of substance	: Mixtures es listed below with nonhazardous additions.	
Dangerous components:		
CAS: 7440-47-3 EINECS: 231-157-5 Reg.nr.: 01-2119485652-31-XXXX	chromium substance with a Community workplace exposure limit	12.5-25%
CAS: 7440-02-0 EINECS: 231-111-4 Index number: 028-002-00-7 Reg.nr.: 01-2119438727-29-XXXX	nickel Carc. 2, H351; STOT RE 1, H372 Skin Sens. 1, H317	5-12.5%
CAS: 7439-96-5 EINECS: 231-105-1 Reg.nr.: 01-2119449803-34-XXXX	manganese substance with a Community workplace exposure limit	0.1-2.5%

SECTION 4: First aid measures

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- · 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.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: Suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- For deletion of fire just use dry powders. Don't use any water or halogenated containing extinguishing agents
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 Ensure adequate ventilation
 Use respiratory protective device against the effects of fumes/dust/aerosol.
 6.2 Environmental procautions: No special measures required
- 6.2 Environmental precautions: No special measures required.
- · 6.3 Methods and material for containment and cleaning up: Pick up mechanically.
- · 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure that suitable extractors are available on processing machines • Information about fire - and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

7440-47-3 chromium

IOELV Long-term value: 2 mg/m³

as Cr

7439-96-5 manganese

IOELV Long-term value: 0.2* 0.05** mg/m³

as Mn; *inhalable, **respirable fraction

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures: Wash hands before breaks and at the end of work.
- · Respiratory protection: Filter P2
- Protection of hands:
- EN 12477

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

- · Material of gloves Leather gloves
- **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

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:
 - Form:
 - Colour:
- · Odour:

Solid Not determined. Odourless

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Odour threshold:	Not determined.	
pH-value:	Not applicable.	
Flash point:	Not applicable.	
Flammability (solid, gas):	Not determined.	
Decomposition temperature:	Not determined.	
Auto-ignition temperature:	Product is not selfigniting.	
Explosive properties:	Product does not present an explosion hazard.	
Explosion limits: Lower: Upper:	Not determined. Not determined.	
Density: Relative density Vapour density Evaporation rate water:	Not determined. Not determined. Not applicable. Not applicable. Insoluble.	
Partition coefficient: n-octanol/w Dynamic: Kinematic:	a ter: Not determined. Not applicable. Not applicable.	
Solvent separation test:		
Solids content:	100.0 %	
9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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- · Additional toxicological information:
- · Repeated dose toxicity
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Not hazardous for water.
- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation Must be specially treated adhering to official regulations.
- · European waste catalogue
- 12 01 13 welding wastes
- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport informat	ion	
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void Void	
 14.2 UN proper shipping name ADR, ADN, IMDG, IATA 	Void	
 14.3 Transport hazard class(es) 		
· ADR, ADN, IMDG, IATA · Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
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14.5 Environmental hazards:	
· Marine pollutant:	No
 14.6 Special precautions for user 	Not applicable.
· 14.7 Transport in bulk according to Ann	ex II of
Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	-
-	Void

SECTION 15: Regulatory information

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

No further relevant information available.

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 27
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
- None of the ingredients is listed.
- · Annex II REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

- · Regulation (EC) No 273/2004 on drug precursors
- 7723-14-0 phosphorus
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

7723-14-0 phosphorus

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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).

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Welding Exposure Scenario WES - ENGL

Page 1 of 6 European Welding Association

Guidance and Recommendations for Exposure Scenarios, Risk Management Measures and to identify Operational Conditions under which metals, alloys and metallic articles and mixtures may be safely welded regarding welding fumes and gases exposure

Welding/Brazing produces fumes, which can affect human health.

Welding and allied processes generate a varying mixture of fumes (airborne particles) and gases, which, if inhaled or swallowed, constitute a health hazard-

The degree of risk will depend on the composition of the fume, the 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.

The amount of fumes generated is dependent on the welding process, the welding parameters, the shielding gas, the type of consumable and the potential coating on the work

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.

General Rules to reduce exposure to welding fumes and gases

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 document 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. Start every new work with an Occupational Safety & Health Risk Inventory.

The following principles shall be applied, unless local regulation say otherwise:

1. Substitution:

Select the applicable process/base material combinations with the lowest emission, whenever possible

Set welding process with the lowest emission parameters (e.g. welding parameters/arc mode transfer, shielding gas composition) *

- 2. Technological Means:
- Apply the relevant collective protective measures (general ventilation, local exhaust ventilation) in accordance with class number.
- 3. Organizational Measures:
 - Limit the time a worker is exposed to welding fumes. Establish and apply Welding Procedure Specifications
- Personal Protective Equipment: 4.

To protect the worker, wear the relevant personal protective equipment in accordance with the duty cycle

In addition, compliance with the National Regulations regarding the exposure of welders and related personnel to welding fumes, their components with specific occupational exposure limit, and gaseous substances with specific occupational exposure limits shall be verified. It is therefore strongly recommended to seek clarification of specific national legislation that may apply.

In MIG / MAG process , innovative waveform controlled processes generate less welding fumes and particles than conventional processes - The use of such processes can be an additional measure to reduce the exposure of the welder and or workers

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			Welding Expo	osure Scenario WE			
Euror	bean Welding Asso	ociation			Doc -5-2021 Page 2 of 6		
	anagement Measures fo		cess/base material c	ombinations			
Techno. An app	logical means is propos roximate ranking to mit	ed in the table b igate the risk of	elow.	ial to be welded, a general cases exposure is given for ea			
The ind	rocess/base material co lividual process/base m emission ones (Class VI	aterial combinat	ions are ranked from	n the lowest emission ones (Class I) to the		
the cur encourd to elimi	rent state of knowledg ages all those responsibl inate the excess risk of	e, IIW confirms e to reduce the e lung cancer, wel	its statement from exposure to welding fu Iders and their manage	lication of IARC Monograph 2011 on "Lung cancer and ime to a minimum. It also reco gers must ensure that exposu t is posted both on IIW and EV	welding" and ommends that ire to welding		
	ch class, general reco ent are proposed.	ommendations	on Ventilation/Extra	action/Filtration and Person	al Protection		
Class ¹	Process (according to ISO 4063)	Base Materials	Remarks	Ventilation / Extraction / Filtration ¹⁴	PPE ² DC<15%	PPE ² DC>15%	
1	GTAW		Non-confined space	e ¹⁶	DC<1378	DC>1376	
	141 SAW 12 Autogenous						
	3 PAW 15 ESW/EGW	All	Except Aluminum	GV low ³	nr	n.r.	
	72/73 Resistance 2 Stud welding		Except Aluminum	GV IUW			
	78 Solid state 521 Gases Brazing						
	9	All	Except Cd- alloys	GV low ³	n.r.	n.r.	
	GTAW		n.a.	GV medium ⁴	n.a.	FFP2 ⁵	
11 111	GTAW 141 MMAW 111	Aluminum	Except Be-, V- , Mn-, Ni- alloys and Stainless ⁶	ov moduli	1.4.		
	141 MMAW 111 FCAW 136/137		Except Be-, V- , Mn-, Ni- alloys and Stainless ⁶ Except Stainless and Ni- alloys ⁶	GV low ⁷	Improved	FFP2 ⁵	
	141 MMAW 111 FCAW 136/137 GMAW 131/135	All	Except Be-, V-, Mn-, Ni- alloys and Stainless ⁶ Except Stainless and Ni- alloys ⁶ Except Cu-, Be-, V- alloys ⁶		40.0003	FFP2 ⁵	
	141 MMAW 111 FCAW 136/137 GMAW	All	Except Be-, V- , Mn-, Ni- alloys and Stainless ⁶ Except Stainless and Ni- alloys ⁶ Except Cu-, Be-, V-	GV low ⁷	Improved	FFP2⁵	
	141 MMAW 111 FCAW 136/137 GMAW 131/135 Powder Plasma Arc 152 All processes class I	All All All All Painted / primed / oiled / galvanized	Except Be-, V- , Mn-, Ni- alloys and Stainless ⁶ Except Stainless and Ni- alloys ⁶ Except Cu-, Be-, V- alloys ⁶ Except Be-, V-, Cu-, Mn-, Ni-alloys and	GV low ⁷	Improved helmet ¹⁶	FFP3 [*] , TH2/P2,	
III IV	141 MMAW 111 FCAW 136/137 GMAW 131/135 Powder Plasma Arc 152 All processes class I All processes class III	All All All All Painted / galvanized Painted / primed / oiled / galvanized	Except Be-, V-, Mn-, Ni- alloys and Stainless ⁶ Except Stainless and Ni- alloys ⁶ Except Be-, V-, Cu-, Mn-, Ni-alloys and Stainless ⁶ No Pb containing	GV low ² LEV low ¹²	Improved	FFP3 ⁸ ,	
111	141 MMAW 111 FCAW 136/137 GMAW 131/135 Powder Plasma Arc 152 All processes class I All processes class III MMAW 111	All All All All Painted / galvanized Painted / primed / olled / galvanized Stainless, Ni-, Be, and V- alloys	Except Be-, V-, Mn-, Ni- alloys and Stainless ⁶ Except Stainless and Ni- alloys ⁶ Except Cu-, Be-, V- alloys ⁶ Except Be-, V-, Cu-, Mn-, Ni-alloys and Stainless ⁶ No Pb containing primer	GV low ⁷ LEV low ¹² GV low ³ GV low ⁷	Improved helmet ¹⁶	FFP3 [*] , TH2/P2,	
III IV	141 MMAW 111 FCAW 136/137 GMAW 131/135 Powder Plasma Arc 152 All processes class I All processes class III MMAW 111 FCAW 136/137	All All All All Painted / olled / galvanized Painted / olled / galvanized Stainless, NI-, Be-, and V-	Except Be-, V- , Mn-, Ni- alloys and Stainless ⁴ Except Stainless and Ni- alloys ⁶ Except De-, V-, Cu- , Mn-, Ni-alloys and Stainless ⁶ No Pb containing primer No Pb containing primer	GV low ⁷ LEV low ¹² GV low ³ GV low ⁷ LEV low ¹²	Improved helmet ¹⁶	FFP3 [*] , TH2/P2,	
III IV	141 MMAW 111 FCAW 136/137 GMAW 131/135 Powder Plasma Arc 152 All processes class I All processes class III MMAW 111 FCAW	All All All All All Primed / oiled / galvanized Painted / primed / oiled / galvanized Stainless, Nir, Be, and V- alloys Stainless, Mn-	Except Be-, V-, Mn-, Ni- alloys and Stainless ⁶ Except Stainless and Ni- alloys ⁶ Except Cu-, Be-, V- alloys ⁶ Except Be-, V-, Cu-, Mn-, Ni-alloys and Stainless ⁶ No Pb containing primer	GV low ⁷ LEV low ¹² GV low ³ GV low ⁷	Improved helmet ¹⁶	FFP3 ⁸ , TH2/P2, or LDH3	

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								(Conto
			Welding Exp		- ENGI	1		
	ean Welding Asso			Ventilation /	PPE ²	PPE ²		
Class ¹	(according to ISO 4063)	Base Materials	Remarks Non-confined space	Extraction / Filtration ¹⁴	DC<15%	DC>15%		
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	Un-, high	Cored wire,	LLV modum				
	114	alloyed steel Painted /	containing Ba Paint / Primer					
	All	primed / galvanized	containing Pb	Reduced (negative) pressured area 9	TH3/P3,	TH3/P3.		
	Arc Gouging and Cutting 8	All	n.a.	LEV high ¹⁰	LDH3 ¹¹	LDH3 ¹¹		
	Thermal Spray Gases Brazing	All Cd. allows	n.a.					
	9	Cd- alloys	n.a. sed system or Confine	ed space ¹⁵		1		
l.	Laser Welding 52							
	Laser Cutting	All	Closed system	GV medium⁴	n.a.	n.a.		
	84 Electron Beam 51							
VIII	All	All	Confined space	LEV high ¹⁰ External air supply	LDH311	LDH311		
11 12 13 14 exce 15 utilit 16 n.a.	Filtrating half mask (FFP3 Reduced (negative) press surrounded area, is main Local Exhaust Ventilatior Helmet with powered filt Local Exhaust Ventilatior Recommended measure ept unalloyed steel and alum A confined space, despit	Medium (double of)) alable is used, meas- Low. When no Loc When no Loc User and the off off off tained (LEV) High, extract ters (TH3/P3), or h (LEV) Low, extract (LEV) High, extract ters (TH3/P3), or h (LEV) Medium, est to comply with inum, shall be filte is name, is not	compared to Low) sures from "Class V" ar tal Exhaust Ventilation, rered filters (TH2/P2), or irrate, ventilated area v ttion at source (include elmet with external ai tion at source (include traction at source (include tractio	e required the ventilation requirement is 5-fo helmet with external air supply (LDF where reduced (negative) pressure, s table, hood, arm or torch extracti supply (LDH3) s table, hood, arm or torch extracti dues table, hood, arm or torch extra wable limits. Extracted fumes, for he outside environment. nples of confined spaces include sh	i2) compared to on) an) action) all material	s		
The follo	tional Standards & EU f owing ISO standards an e to welding fumes and on, national regulation	d European Unio I gases released I	by welding and allied		essments o	f		
							(0	Con

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ISO 4063:2009	Welding and allied processes Nomenclature of processes and reference numbers	
ISO EN 21904-1:2020	Health and safety in welding and allied processes Equipment for capture and separation of welding fume Part 1: General requirements	
ISO EN 21904-2:2020	Health and safety in welding and allied processes Equipment for capture and separation of welding fume Part 2: Requirements for testing and marking of separation efficiency	
ISO EN 21904-3:2018	Health and safety in welding and allied processes — Requirements, testing and marking of equipment for air filtration — Part 3: Determination of the capture efficiency of on-torch welding fume extraction devices	
ISO EN 21904-4:2020	Health and safety in welding and allied processes Equipment for capture and separation of welding fume Part 4: Determination of the minimum air volume flow rate of capture devices	
ISO 15607:2003	Specification and qualification of welding procedures for metallic materials — General rules	
EN ISO 15609:	Specification and qualification of welding procedures for metallic materials - Welding procedure specification part1 -> part 6	
ISO 17916:2016	Safety of thermal cutting machines	
EN 149:2001+A1:2009	Respiratory protective devices. Filtering half masks to protect against particles. Requirements, testing, marking	
EN 14594:2018	Respiratory protective devices. Continuous flow compressed air line breathing devices. Requirements, testing and marking	
EN 12941:1998+A2:2008	Respiratory protective devices. Powered filtering devices incorporating a helmet or a hood. Requirements, testing, marking	
EN 143:2000	Respiratory protective devices. Particle filters. Requirements, testing, marking	
Directive 98/24/EC	on the protection of the health and safety of workers from the risks related to chemical agents at work	
Directive 2004/37/EC	on the protection of workers from the risks related to exposure to carcinogens or mutagens at work	
	Amending Directive 2004/37/EC on chromium VI exposure limit	
Directive 2017/2398		
Directive 2017/2398 Directive 2017/164/EU	indicative occupational exposure limit values (for nitrogen oxides)	

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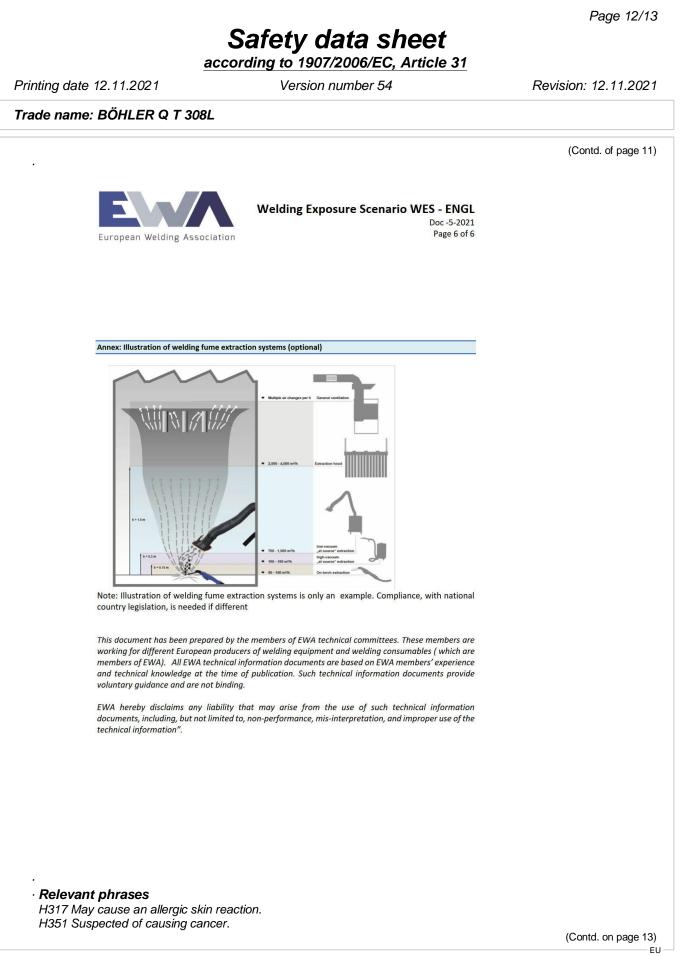
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European	Welding Association	Welding Exposure Sce	e nario WES - ENGL Doc -5-2021 Page 5 of 6	
Use Descriptor	r System according to REACH R	egulation		
REACH use des chain commun		eloped by ECHA ¹ to facilitate chemica	al risk assessment and supply	
such, they are		n-intentional byproducts generated d or mixtures under REACH definition.		
	upational exposure to welding d mixtures regulated by REACH.	fumes and gases may represent a ris	sk similar to the ones of the	
the health and	tion of hazards, the evaluation of l safety can be implemented will as been applied to welding fume		of control measures to secure	
		ge. The EWA welding consumable man the application at an industrial site.	nufacturers define 2 life cycle	
Sector Proce Produ Article	ess category (PROC), act category (PC), e category (AC) and onmental release category (ERC	listed SU3 and SU10 have been remo	ved by ECHA ¹]	
Manufacture o SU14 Industrial and	Professional welding:	nables are: 21 PROC22 PROC23 PROC24 PROC25 C22 PROC23 PROC24 PROC25 ERC5		
	General manufacturing, e.g. mi Base metals and alloys Welding and soldering product Mixing or blending in batch pro Low energy manipulation of su Potentially closed processing on Open processing and transfer or High (mechanical) energy work Other hot work operations with Formulation of preparations Formulation of preparations Formulation into solid matrix Industrial use resulting in inclus Vehicles Machinery, mechanical applian Metal articles	ial products, except machinery and equipr achinery, equipment, vehicles, other trans s, flux products occesses bstances bound in materials and/or articl perations with minerals/metals at elevate operations with minerals/metals at elevate - up of substances bound in materials and h metals	sport equipment es d temperature. Industrial setting ed temperature /or articles : Use description,	
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H372 Causes damage to organs through prolonged or repeated exposure.	
Department issuing SDS: R&D	
Contact: Helena Stabel	
Abbreviations and acronyms:	
VCEC - National Chemical Emergency Centre (=Carechem24)	
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the Internationa	al Carriage
of Dangerous Goods by Road)	
MDG: International Maritime Code for Dangerous Goods	
ATA: International Air Transport Association	
GHS: Globally Harmonised System of Classification and Labelling of Chemicals	
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)	
TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)	
PBT: Persistent, Bioaccumulative and Toxic	
/PvB: very Persistent and very Bioaccumulative	
Skin Sens. 1: Skin sensitisation – Category 1	
Carc. 2: Carcinogenicity – Category 2	
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1	
* Data compared to the previous version altered.	
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