HME Brass Germany GmbH
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HME Brass France SAS

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Information sheet for articles

HME-product: semi-finished products made of **Copper Zinc Lead Alloys**

1. Identification of the article and of the supplier

Supplier / Manufacturer / Application and use of the articles
HME affiliates as listed above, hereinafter referred to as HME, manufacture and supply products made of copper and copper alloys in the form of semi-finished products like pressed and drawn pipes, tubes, profiles, rods and ingots.

Further information contact:

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Remark
Semi-finished products from copper and copper alloys are articles according to Regulation (EC) No. 1907/2006 (REACH Regulation). For articles it is not mandatory by law to issue a safety data sheet. In order to ensure appropriate information to our customers HME voluntarily compiled this information sheet; however, it is not subject to the formal requirements of the REACH Regulation.

2. Hazard identification

When supplied in solid form the articles made from copper and copper alloys are non-hazardous. If they are subsequently processed in any way, which might produce airborne dust or fumes, for instance by dry grinding, abrading, electro discharge machining, melting or welding (the material itself) then an inhalation hazard could arise.

General handling, stamping, forming and most machining operations are non-hazardous. Heat treatment in air up to about 400 °C is non-hazardous but higher temperatures may give rise to loss of oxide, which could cause hazardous inhalation. This can be avoided by treatment in inert atmosphere.

3. Composition / information on ingredients

Description: brass (copper zinc alloys) in compact form with lead ≤ 4 %

Material codes

HME material Trade name	Material Code (DIN CEN/TS 13388:2015)	Material number (DIN CEN/TS 13388:2015)	ASTM
-	CuZn35Pb1	CW 600 N	
-	CuZn35Pb2	CW 601 N	
-	CuZn36Pb2As	CW 602 N	
-	CuZn36Pb3	CW 603 N	
-	CuZn37Pb0,5	CW 604 N	
-	CuZn37Pb2	CW 606 N	

-	CuZn38Pb1	CW 607 N	
-	CuZn38Pb2	CW 608 N	
-	CuZn39Pb0,5	CW 610 N	
-	CuZn39Pb1	CW 611 N	
-	CuZn39Pb2	CW 612 N	
-	CuZn39Pb3	CW 614 N	
-	CuZn40Pb1Al	CW 616 N	
-	CuZn40Pb2	CW 617 N	
-	CuZn41Pb1Al	CW 620 N	
-	CuZn35Pb1,5AlAs	CW 625N	
-	CuZn40Mn1Pb1	CW 720 R	

The classifications mentioned below reflect the classification of the responding pure substance and are for information only.
Copper alloys are special preparations according to Regulation (EC) 1907/ 2006 (REACH).

Harmonized classified alloy components (respective to individual alloy)

Number	Name of component	Classification CLP / EU	Content (w/w) / remark
CAS: 7439-92-1 EINECS: 231-100-4	Lead [1]	Repr. 1A ; H360 FD Lact. : H362 STOT RE 1 ; H372	Max 3,5 %
CAS: 7440-38-2 EINECS: 231-148-6	Arsenic	Acute Tox. 3, H301; Acute Tox. 3, H331; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	Max 0,15 %

[1] "*Lead*" was identified and listed by ECHA as SVHC. Inclusion date: 27.06.2018.
This does not imply that safe use conditions have changed.

Non-harmonized classified alloy components (respective to individual alloy)

Number	Name of component	Classification
CAS: 7440-50-8 EINECS: 231-159-6	Copper	-
CAS: 7440-66-6 EINECS: 231-175-3	Zinc	-
CAS: 7439-96-5 EINECS: 231-105-1	Manganese	-
CAS: 7429-90-5 EINECS: 231-072-3	Aluminium	-

4. First aid measures

General information: There is no acute risk associated and no special measures required.

Exposure	Measures
Inhalation	In practice, exposure can only arise from operations such as grinding, abrading, electro discharge machining, welding or melting and is likely to be at low levels, which will not cause immediate symptoms. In case of exposure, ensure supply of fresh air. In the event of symptoms, refer to medical treatment.
Skin contact	Normally no skin irritation.
Eye contact	Rinse thoroughly with plenty of water and seek medical advice. Use normal industrial protection to protect against foreign bodies entering the eyes.

Ingestion	In the event of symptoms refer to medical treatment. Use normal industrial hygiene.

5. Firefighting measures

Suitable extinguishing agents	Use fire extinguishing methods suitable to surrounding conditions.
Protective equipment	No special measures required

6. Accidental release measures

Personal Protection	Not required, not applicable
Environmental protection	Not required, not applicable

7. Handling and storage

Handling and storage	Measure
Protection of personal health and environment	Controls are only applicable to any process which might produce airborne dust or fumes, which are subject to Health and Safety Executive Maximum Exposure as shown in the table 8.1
Storage, Co-storage, maximum storage	No special requirements. Look for surrounding conditions.
Specific end use(s)	HME manufactures semi-finished products only, which are further processed by downstream manufacturers who also need to define specific end use(s) if any.

8. Exposure controls and personal protection

Limitation and control of the exposure at the working place
If breathable dust or smoke occurs by machining, the exposition to workers should be controlled with an exhaust filter system to meet the local limit values. As an additional measure personal protection by means of a filter mask (FFP2) or an independent breathing helmet may be used.

Occupational Exposure Limit Values for possible hazards during processing
Link to GESTIS International Limit Values: http://limitvalue.ifa.dguv.de/WebForm_gw2.aspx

Personal protective equipment	Recommendation
Respiratory	Use an industrial filter mask (type P2) when work-place limits are exceeded.
Hands	Protective gloves are recommended, depending on the handling.
Eyes	Eye protection is recommended, depending on the processing.
Body	Wear suitable protective clothing, depending on the processing.

9. Physical and chemical properties

Parameter	description
Colour	Metallic yellow
State of aggregation	solid
Density	8,3 g/cm3 (Lit.)
Solubility in water	insoluble

Odour	odourless
Melting point	870 - 900 °C (Lit.)
Boiling point / boiling range	undetermined
Flash point	Not applicable
Ignition (solid, gaseous)	Not applicable
Explosion occurrence	- No hazard in solid form - In case of molten metal risk of explosion / rapid expansion of water vapour by contact with water.

10. Stability and reactivity

Conditions to avoid: No decomposition if used to specification.

Contact to mercury, ammonia, ammonium chloride, ammonium hydroxide, ammonium nitrate, acetylene, chlorine-gas, hydrogen peroxide and various acids may be incompatibility.
A corrode reaction with uncontrolled heating effects could occur.

11. Toxicology information

General information:
When used and handled according to specifications, the article does not have any harmful effects to our experience.
On skin: No irritant effect.
On eye: No irritating effect.
Sensitization: No sensitizing effects known.

12. Ecological information

General notes
Semi-finished articles from copper and copper-alloys are practically insoluble in water.

Potential of bioaccumulation
Copper is a basic essential element, it will not be accumulated, but by some living stored for later use.
The Lead content in the alloy should not be biologically available for bioaccumulation when used and handled according to specifications.

13. Disposal considerations / Recycling

HME confirm that the articles from copper and copper alloys could and should be recycled by end of life in accordance with Annex II to Directive 75/422/EEC for the recovery operation R4 (recycling / reclamation of metals).
Classification according to the EU-Waste Catalogue Ordinance

HME is authorized to receive and recover waste from copper and copper alloys each broken down by source:

Origin of the waste in according with EWC	**EWC-Waste Code**	**Description**
Waste metal	02 01 10	Waste metal
Slags from primary and secondary production	10 06 01	Slags from primary and secondary production
Other particulates and dust	10 06 04	Other particulates and dust
Furnace slag	10 10 03	Furnace slag
Other particulates other than those mentioned in 10 10 11	10 10 12	Other particulates other than those mentioned in 10 10 11
Wastes from copper hydrometallurgical process other than those mentioned in 11 02 05	10 02 05	Wastes from copper hydrometallurgical process other than those mentioned in 11 02 05
Waste from mechanical design processes	12 01 03	Non-ferrous metal chips

disassembling of old cars	16 01 18	Non-ferrous metal
Metals (including alloys)	17 04 01	copper, bronze, brass
Waste from shredding of metal-containing waste	19 10 02	Non-ferrous metal waste
Wastes from the mechanical processing (e.g. sorting, crushing)	19 12 02	Non-ferrous metal

EU-transboundary shipment of waste Directive

Classification	Waste Code	Description
B1 metals and metal containing waste, in massive form	B1010	Copper scrap

Contact HME or local metal dealer for recycling information.

14. Transport information

There is no substance related risk of carrying copper alloys in solid form, either as a primary product or as scrap. EEC hazard labelling is not required.

Apply suitable measures concerning load securing in due consideration to dimension and mass of the articles.

15. Regulatory information

HME copper and brass alloy products and the respective packaging materials have a chemical composition in accordance with the regulations listed below and their respective amendments officially published up to the revision date of this document.

<table>
<tr><th>Article</th><th>Regulation</th></tr>
<tr><td>REACH</td><td>
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended

The <u>lead-containing</u> alloy products contain the following Substances of Very High Concern (SVHC) in concentrations above 0.1% (w/w) on the Candidate List updated as of the above processing date. Current candidate list: https://echa.europa.eu/candidate-list-table
<table>
<tr><th>Substance</th><th>CAS / EINECS</th><th>List</th><th>Date of recording</th><th>Note</th></tr>
<tr><td>Lead</td><td>CAS: 7439-92-1
EINECS: 231-100-4</td><td>SVHC</td><td>27 Jun 2018</td><td>The inclusion of lead as a substance of very high concern in the candidate list generally triggers information obligations in the supply chain.

The legal classification of lead as a hazardous substance, the regulations for the safe handling of lead and the scope of application of the leaded copper and copper alloy products supplied by HME remain unchanged.</td></tr>
</table>

HME brass alloy articles may contain small quantities of substances subject to restrictions under Annex XVII of the REACH Regulation. The common use of brass semi-finished products is usually not subject to any of the listed restrictions. It is the responsibility of the processing companies to observe the restrictions on use when placing their articles or products on the market
<table>
<tr><th>Substance</th><th>CAS / EINECS</th><th>List</th><th>Date of recording</th><th>Note</th></tr>
</table>
</td></tr>
</table>

	Arsenic	CAS: 7440-38-2, EINCS: 231-148-6	ANNEX XVII	Unknown	The legal classification of arsenic as a hazardous substance, the regulations for the safe handling of arsenic and the scope of application of the lead and arsenic containing copper alloy products supplied by HME remain unchanged.

For technological reasons, HME products are made exclusively of metals and do not contain any *organic* substances that are subject to declaration, restriction, approval or prohibition according to REACH or similar legal requirements.

The packaging does **not contain any** of the substances (SVHC) included in the Candidate List updated up to the processing status mentioned above in concentrations higher than 0.1% (w/w).

REACH SCIP

DIRECTIVE 2008/98/EC ON WASTE MANAGEMENT, in conjunction with the national requirements for notification to ECHA:
All articles containing substances of very high concern (SVHC) above 0.1% (w/w) were notified to ECHA via a corresponding entry in the SCIP database.

HME Brass Germany GmbH

Reference number	Names	Identifiers	Submission number	Submission date
bf2f095f-1211-4846-ab21-ba8ab20e0044	CW511L-CuZn38As, CW511L	CuZn38As	BPZ219321-13	2020-12-12T11:38:47.73729+02:00
30fc2726-4dc1-4b13-b092-489ff9ac13b2	CW510L-CuZn42, CW510L	CuZn42	BPZ316160-12	2020-12-12T11:37:20.731735+02:00
04298761-44db-4ce2-a817-1dc83dedca1a	CW509L-CuZn40, CW509L	CuZn40	BPZ686534-97	2020-12-12T11:35:57.982741+02:00
71a19d4c-5179-4c3d-a3d8-5accf036bc13	CW625N-CuZn35Pb1.5AlAs, CW625N	CuZn35Pb1.5AlAs	BPZ977845-84	2020-12-12T11:34:26.017736+02:00
dec7f690-5f9f-4251-bd58-7fc7ddcf4507	CW602N-CuZn36Pb2As, CW602N	CuZn36Pb2As	BPZ239882-93	2020-12-12T11:32:34.296608+02:00
775025cf-5efb-46a1-872b-ae7dadc0a467	CW601N-CuZn35Pb2, CW601N	CuZn35Pb2	BPZ006238-16	2020-12-12T11:30:55.40869+02:00
d1addb02-e72c-4903-be9b-29306ee67a95	CW608N-CuZn38Pb2, CW608N	CuZn38Pb2	BPZ013596-08	2020-12-12T11:28:51.237568+02:00
b88fc94a-f100-49ad-9908-3a8d3f89fa30	CW612N-CuZn39Pb2, CW612N	CuZn39Pb2	BPZ066687-97	2020-12-12T11:26:24.796377+02:00
699480e8-d62d-445d-ba65-a521b7627d46	CW617N-CuZn40Pb2, CW617N	CuZn40Pb2	BPZ086314-15	2020-12-12T11:24:42.737366+02:00
f452419f-bef8-4977-ac28-52b739eb4ea9	CW614N-CuZn39Pb3, CW614N	CuZn39Pb3	BPZ415571-05	2020-12-12T11:19:37.571333+02:00
d8ffb1d9-3c08-40cd-9fcb-d6cbe7ebc0f2	CW603N-CuZn36Pb3, CW603N	CuZn36Pb3	BPZ046126-17	2020-12-12T11:03:07.992145+02:00

HM Brass France SAS

Reference number	Names	Identifiers	Submission number	Submission date
e4f6852b-3d7b-4676-86f1-3be6d6f3feb6	CW720R - CuZn40Mn1Pb1, CW720R	CuZn40Mn1Pb1	VVY989621-58	2020-12-18T09:05:46.559571+02:00
0be167bb-3166-4945-ad47-caa1b8dda838	CW509L - CuZn40, CW509L	CuZn40	VVY910084-74	2020-12-17T09:13:53.23648+02:00

eedc83be-075b-47a5-8f9e-1f88b83b74fe	CW510L - CuZn42, CW510L	CuZn42	VVY365936-70	2020-12-17T09:11:53.203067+02:00
5903ad79-d2d3-4569-8124-327885828420	CW602N - CuZn36Pb2As, CW602N	CuZn36Pb2As	BPZ427298-92	2020-12-16T09:43:50.416331+02:00
14452724-8b3c-48c6-8057-ba09eb09961a	CW625N - CuZn33Pb1.5AsAl, CW625N	CuZn33Pb1.5AsAl	BPZ802860-04	2020-12-16T09:38:26.366474+02:00
445a425a-6e8d-45d8-a953-8be9cc956b3a	CW620N - CuZn41Pb1Al, CW620N	CuZn41Pb1Al	BPZ870737-01	2020-12-16T09:28:15.188436+02:00
5865b93e-229b-493f-89b7-b033ea5f0060	CW611N - CuZn39Pb1, CW611N	CuZn39Pb1	BPZ212839-12	2020-12-16T09:24:00.973163+02:00
5d16c0f9-3710-4c65-8f51-74a513e07f1d	CW608N - CuZn38Pb2, CW608N	CuZn38Pb2	BPZ745633-01	2020-12-16T09:11:15.720991+02:00
24899cf8-a914-40b3-b616-12838c9c24b8	CW606N - CuZn37Pb2, CW606N	CuZn37Pb2	BPZ146407-15	2020-12-15T14:08:21.235271+02:00
3249ab2c-9284-449b-9052-029331d4610a	CW603N - CuZn36Pb3, CW603N	CuZn36Pb3	BPZ106889-97	2020-12-15T13:55:52.572897+02:00
630294ff-2ff0-484d-a984-b43a21162384	CW601N - CuZn35Pb2, CW601N	CuZn35Pb2	BPZ928228-94	2020-12-15T13:21:20.589498+02:00
36c9a11e-dfb5-4c4a-8ebf-f66c56aa2ce1	CW612N - CuZn39Pb2, CW612N	CuZn39Pb3	HRW241280-09	2020-12-09T13:50:54.587073+02:00
ebc1103f-ef05-4f32-a4d6-f889ab5e4290	CW617N - CuZn40Pb2, CW617N	CuZn40Pb2	HRW426101-13	2020-12-09T13:34:55.354822+02:00
36c9a11e-dfb5-4c4a-8ebf-f66c56aa2ce1	CW614N - CuZn39Pb3, CW614N	CuZn39Pb3	HRW583929-91	2020-12-09T12:54:06.315067+02:00

HME Bass Italy S.p.A.

Reference number	Names	Identifiers	Submission number	Submission date
6730f425-9b81-4887-8b77-62e907c0cb55	CW620N-CuZn41Pb1Al, CW620N	CuZn41Pb1Al	VVY127940-78	2020-12-18T16:50:48.077965+02:00
f0800e4d-6265-4798-b7e9-8b74e244ba53	CW618N-CuZn40Pb2Al, CW618N	CuZn40Pb2Al	VVY210731-94	2020-12-18T16:46:12.513637+02:00
2b63fb0e-23a7-4ed7-8198-1b808baf81a2	CW601N-CuZn35Pb2, CW601N	CuZn35Pb2	VVY797122-69	2020-12-18T16:41:56.07154+02:00
b1370fb4-38cb-4fe1-baef-f388a8cff646	CW625N-CuZn35Pb1.5AlAs, CW625N	CuZn35Pb1.5AlAs	RMH634134-18	2020-11-26T17:38:10.431068+02:00
d7b4e170-fa4f-40b0-a251-934b15613225	CW617N-CuZn40Pb2, CW617N	CuZn40Pb2	RMH352344-22	2020-11-26T17:35:29.847411+02:00
07ae0356-1260-46ef-8acc-b0bd0781fabd	CW612N-CuZn39Pb2, CW612N	CuZn39Pb2	RMH107593-10	2020-11-26T17:34:59.158418+02:00
581bd6a2-892c-4e9a-b0d5-415f1a155595	CW603N-CuZn36Pb3, CW603N	CuZn36Pb3	RMH499243-04	2020-11-26T17:34:24.712751+02:00
9332c9be-b3d5-402d-85a2-a2f75c930845	CW606N-CuZn37Pb2, CW606N	CuZn37Pb2	RMH290377-15	2020-11-26T17:32:09.72895+02:00
60160535-bc79-4669-b87f-c57b49d8f4ab	CW607N-CuZn38Pb1, CW607N	CuZn38Pb1	RMH7528-09	2020-11-26T17:31:34.454825+02:00
8b0ee3fe-005e-4863-971d-d4573eb594bf	CW608N-CuZn38Pb2, CW608N	CuZn38Pb2	RMH582469-05	2020-11-26T17:30:57.802295+02:00

99128007-f8fd-4df3-a522-aeabc04b3ef8	CW602N-CuZn36Pb2As, CW602N	CuZn36Pb2As	RMH208732-17	2020-11-26T17:30:13.601572+02:00
3c01cc38-1f5b-4a3a-9d50-64daa8014869	CW509L-CuZn40, CW509L	CuZn40	RMH266241-19	2020-11-26T17:27:28.19063+02:00
c8c8168b-8247-4ae2-90f3-72bfcc4ed3ea	CW510L-CuZn42, CW510L	CuZn42	RMH110083-30	2020-11-26T17:25:44.77056+02:00
915275a7-57fe-40ce-8520-9ec083d97d48	CW511L-CuZn38As, CW511L	CuZn38As	RMH265291-11	2020-11-26T17:24:14.777373+02:00
91cfb9e7-29ee-456c-8690-f1910d2026d2	CW614N-CuZn39Pb3, CW614N	CuZn39Pb3	RMH487728-03	2020-11-26T16:12:14.125605+02:00

Packaging material

Directive 94/62/EC (packaging and packaging waste)
HME always uses reusable packaging and transport containers such as wooden pallets and winding spools.

ELV

DIRECTIVE 2000/53/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 September 2000 on end-of-life vehicles (so-called ELV) after amendment of Annex II (2008/689/EC).

GADSL

VDA 232-101 Global Automotive Declarable Substances List (GADSL)

Substance	CAS / EINECS	List	Date of recording	Note
Lead	CAS: 7439-92-1 EINECS: 231-100-4	GADSL	10 January 2005	Declarable: Brass alloy articles may contain up to 4 % (w/w) lead depending on the alloy type.
Arsenic	CAS: 7440-38-2 EINECS: 231-148-6	GADSL	10 January 2005	Declarable: Brass alloy articles may contain up to 0.1% (w/w) arsenic depending on the alloy type.

RoHS-3 (evaluation based on DIN EN 50581)

DIRECTIVE 2011/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 08 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.
COMMISSION DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU (RoHS 3)
COMMISSION DIRECTIVE (EU) 2017/2102 of 15 November 2017 amending Directive 2011/65/EU
COMMISSION DIRECTIVE (EU) 2018/741 of 01 March 2018 amending Annex III to Directive 2011/65/EU
In the case of alloys containing lead, the exemption provided for in Annex III shall apply:
*6c) Copper alloys with a **lead content of** up to 4 % (w/w) (exemption extended until 21 July 2021, currently under revision).*
https://www.rohsguide.com/rohs-lead-exemptions.htm
https://www.copper.org/applications/rodbar/pdf/a1388-RoHS-FAQ.pdf

China-RoHS

China-RoHS SJ/T 11363-2006

Substance	CAS / EINECS	List	Date of recording	Note
Lead	CAS: 7439-92-1 EINECS: 231-100-4	SJ/T 11363-2006	1 March 2007	Declarable: Brass alloy articles may contain up to 4 % (w/w) lead depending on the alloy type.

Deca-BDE

DIRECTIVE 2005/717/EC of 1 July 2008 Flame retardants Deca-BDE in electrical and electronic equipment.
HME products are free of Deca-BDE.

WEEE

For HME products (semi-finished products) this directive is not applicable.

Cr VI, asbestos, Mercury

The articles are free from hexavalent chromium (CrVI) and asbestos.
HME products do not use hexavalent chromium, asbestos or mercury.

POP Stockholm Convention

POPs Directive REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants recasting and repealing EC/850/2004 and related amendments.
HME products are free of POPs.

Fluorinated greenhouse gases	Regulation (EU) No 517/2014: fluorinated greenhouse gases HME products do not contain fluorinated greenhouse gases.
PFOS	DIRECTIVE 2003/11/EC (pentabromodiphenyl ether, octabromodiphenyl ether) and 2006/122 EC (PFOS) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL amending Directive 76/769/EC on the use of dangerous substances and dangerous products. HME products are free of PAH and PFOS.
Ozone layer	Regulation (EC) 1005/2009: Substances that deplete the ozone layer. HME products do not contain substances that can deplete the ozone layer.
Siloxane	The products are free from octamethylcyclotetrasiloxane (D4) (EC No: 209-136-7, CAS No: 556-67-2) and decamethylcyclopentasiloxane (D5) (EC No: 208-764-9, CAS No: 541-02-6). HME products do not contain siloxanes.
TSCA	All alloy constituents are listed on or exempt from the Toxic Substance Control Act (TSCA) list. All alloy components are listed in SARA section 313. None of the alloy components fall under the restrictions for recently added PBT chemicals (e.g. PIP (3:1), DecaBDE, HCBD, PCTP, TTBP).
SARA Section 312	Reporting and/or labelling requirements may apply to the constituents (including unintentional trace elements) of the alloy bar material supplied; check the reporting and labelling requirements of your country and municipality.
U.S. California - Proposition 65 - List of carcinogenic substances - Development list - Reproductive toxicity (female) - Reproductive toxicity (male)	⚠ **WARNING**: This product can expose you to chemicals, including lead, which is a known carcinogen in the state of California. For more information, visit www.P65Warnings.ca.gov. Lead: CAS: 7439-92-1 In solid form, no chemicals are released into the air through the articles. If the articles are subsequently processed in any way that could create airborne dust or fumes, e.g. dry grinding, abrading, electrical discharge machining, melting or welding (of the material itself), then there could be airborne exposure to the listed chemicals and a risk of inhalation
Conflict minerals	Regulation (EU) 2017/821: Due diligence in the supply chain of tin, tantalum, tungsten, their ores and gold from conflict and high risk areas. HME products do not contain tantalum, tungsten, gold or mica. HME products may contain small amounts of tin, as it is often a component of recycled input materials. However, tin is not an intentionally added alloy component. Cobalt is not intentionally added to our products; however, in exceptional cases, traces <<0.1%m/m may be due to recycled feedstock. HME ensures that other alloying ingredients such as zinc and lead, which are not derived from recycled waste, are sourced from manufacturers and suppliers that do not originate from conflict and high risk areas. See also CMRT and EMRT declarations in our download centre.
EURATOM	DIRECTIVE 2013/59/EURATOM of 5 December 2013 All HME finished products made from recycled metals are checked for possible residual radiation before leaving the factory premises.

16. Disclaimer

We confirm that the information involved in the drawing up of this document has been checked to the best of our knowledge for completeness, correctness and current relevance. They are given for a safe and proper use of our articles. These given data don't have the meaning of warranted characteristics of the specific delivered articles.

We shall inform our customers about mistakes which transpire to exist in information included in this information sheet as well as about amendments about which we become aware prior to a delivery.

We declare our agreement with the fact that our information is to be used by our customers along the supply chain.