

## SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or

Copper Beryllium Alloy By Products

designation of the mixture

**Registration number** 

**Document number** A24

**Synonyms** Beryllium Copper Alloy By Products, Copper Beryllium Alloy Dross

30-August-2019 **Issue date** 

**Version number** 01

1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Industrial uses: Uses of substances as such or in preparations at industrial sites

Offshore industries

Manufacture of basic metals, including alloys

Manufacture of fabricated metal products, except machinery and equipment Manufacture of computer, electronic and optical products, electrical equipment

General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

Electricity, steam, gas water supply and sewage treatment

Scientific research and development

Other: Manufacture of medical and defense equipment

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** 

Company name Materion Brush Inc. **Address** 6070 Parkland Boulevard

Mayfield Heights, OH 44124

**United States** 

**Division** 

**Telephone** 1.216.383.4019 e-mail ehs@materion.com Contact person Theodore Knudson 1.4. Emergency telephone 1.216.383.4019

number

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses advised against None known.

1.3. Details of the supplier of the product information sheet

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### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Material name: Copper Beryllium Alloy By Products SDS GERMANY **Health hazards** 

Respiratory sensitisation Category 1 H334 - May cause allergy or asthma

symptoms or breathing difficulties if

inhaled.

Skin sensitisation Category 1 H317 - May cause an allergic skin

reaction.

Carcinogenicity Category 2

Specific target organ toxicity - repeated Category 1 H372 - Causes damage to organs exposure (respiratory system) through

(respiratory system) through prolonged or repeated exposure by

inhalation.

**Hazard summary** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic

skin reaction. May cause cancer. May cause damage to organs through prolonged or repeated

exposure.

#### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Aluminium, Aluminium Oxides (mixed), Beryllium, Beryllium Oxides (mixed), Cobalt, Cobalt Oxides

(mixed), Copper, Copper Oxides (mixed), Durasoil, Nickel, Nickel Oxides (mixed), Silica, Zirconium

**Hazard pictograms** 



Signal word Danger

**Hazard statements** 

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H372 Causes damage to organs (respiratory system) through prolonged or repeated exposure by

inhalation.

#### **Precautionary statements**

**Prevention** 

Minimise dust generation and accumulation.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume.
P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P350 If on skin: Wash with plenty of water.

P308 + P311 If exposed or concerned: Call a poison centre/doctor.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a poison centre/doctor.

**Storage** 

P405 Store locked up.

**Disposal** 

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label** 

information

For further information, please contact the Product Stewardship Department at +1.216.383.4019.

**2.3. Other hazards** None known.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

## **General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Copper	65 - 90	7440-50-8	01-2119480154-42-0080	-	
		231-159-6			
Classification: -					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Copper Oxides (mixed)	5 - 15	Not applicable	-	-	
Classification:	-				
Durasoil	2 - 4	Trade Secret	-	-	
Classification:	-	-			
Beryllium	0,1 - 2	7440-41-7 231-150-7	01-2119487146-32-0000	004-001-00-7	
Classification:	Skin Sens. 1;H317, STO	T SE 3;H335, Carc.	1B;H350i, STOT RE 1;H372		
Aluminium	0,1 - 1	7429-90-5 231-072-3	01-2119529243-45-0056	013-002-00-1	
Classification:	-				Т
Aluminum Oxides (mixed)	0,1 - 1	Not applicable	-	-	
Classification:	-				
Beryllium Oxides (mixed)	0,1 - 1	Not applicable	-	-	
Classification:	-	-			
Cobalt	0,1 - 1	7440-48-4 231-158-0	01-2119517392-44-0000	027-001-00-9	
Classification:	Acute Tox. 4;H302, Skir 2;H361	Sens. 1;H317, Res	sp. Sens. 1;H334, Carc. 1B;H	350, Repr.	
Cobalt Oxides (mixed)	0,1 - 1	Not applicable	-	-	
Classification:	-	-			
Nickel	0,1 - 1	7440-02-0 231-111-4	01-2119438727-29-0049	028-002-00-7	
Classification:	Skin Sens. 1;H317, STO	T SE 3;H335, Carc.	2;H351, STOT RE 2;H373		7,S
Nickel Oxides (mixed)	0,1 - 1	Not applicable	-	-	
Classification:	-				
Silica	0,1 - 1	14808-60-7 238-878-4	-	-	#
Classification:	Carc. 1A;H350				
Zirconium	0,1 - 1	7440-67-7 231-176-9	-	040-002-00-9	
Classification:	Flam. Sol. 2;H228, Pyr.	Sol. 1:H250			Т

#### **SECTION 4: First aid measures**

**General information** If exposed or concerned: get medical attention/advice. Get medical attention if symptoms occur.

Wash contaminated clothing before reuse. As supplied, there is no immediate medical risk with beryllium products in article form. First aid measures provided are related to particulate containing

beryllium.

4.1. Description of first aid measures

**Inhalation** If symptoms develop move victim to fresh air. For breathing difficulties, oxygen may be necessary.

Breathing difficulty caused by inhalation of particulate requires immediate removal to fresh air. If

breathing has stopped, perform artificial respiration and obtain medical help.

**Skin contact**Take off contaminated clothing and wash before reuse. Thoroughly wash skin cuts or wounds to remove all particulate debris from the wound. Seek medical attention for wounds that cannot be

thoroughly cleansed. Treat skin cuts and wounds with standard first aid practices such as cleansing, disinfecting and covering to prevent wound infection and contamination before continuing work. Obtain medical help for persistent irritation. Material accidentally implanted or

lodged under the skin must be removed.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids

occasionally. Get medical attention if symptoms persist.

#### **Ingestion**

If swallowed, seek medical advice immediately and show this container or label. Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

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

May cause allergic skin reaction. May cause allergic respiratory reaction. Prolonged exposure may cause chronic effects.

4.3. Indication of any immediate medical attention and special treatment needed Treatment of Chronic Beryllium Disease: There is no known treatment which will cure chronic beryllium disease. Prednisone or other corticosteroids are the most specific treatment currently available. They are directed at suppressing the immunological reaction and can be effective in diminishing signs and symptoms of chronic beryllium disease. In cases where steroid therapy has had only partial or minimal effectiveness, other immunosuppressive agents, such as cyclophosphamide, cyclosporine, or methotrexate, have been used. In view of the potential side effects of all the immunosuppressive medications, including steroids such as prednisone, they should be used only under the direct care of a physician. Other treatment, such as oxygen, inhaled steroids or bronchodilators, may be prescribed by some physicians and can be effective in selected cases. In general, treatment is reserved for cases with significant symptoms and/or significant loss of lung function. The decision about when and with what medication to treat is a judgment situation for individual physicians.

In their 2014 official statement on the Diagnosis and Management of Beryllium Sensitivity and Chronic Beryllium Disease, the American Thoracic Society states that "it seems prudent for workers with BeS to avoid all future occupational exposure to beryllium."

The effects of continued low exposure to beryllium are unknown for individuals who are sensitized to beryllium or who have a diagnosis of chronic beryllium disease. It is generally recommended that persons who are sensitized to beryllium or who have CBD terminate their occupational exposure to beryllium.

## **SECTION 5: Firefighting measures**

**General fire hazards** 

Not available.

5.1. Extinguishing media

**Suitable extinguishing** 

media

The product is non-combustible. Use extinguishing measures that are appropriate to loca circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use water to extinguish fires around operations involving molten metal due to the potential for steam explosions.

5.2. Special hazards arising from the substance or mixture

Not applicable.

5.3. Advice for firefighters

Special protective equipment for firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

Special firefighting procedures

Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage.

**Specific methods** 

Pressure-demand self-contained breathing apparatus must be worn by firefighters or any other persons potentially exposed to the particulate released during or after a fire.

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Wear appropriate protective equipment and clothing during clean-up. Avoid contact with skin or inhalation of spillage, dust or vapour. Avoid generation and spreading of dust. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

For emergency responders

6.2. Environmental

Wear appropriate protective equipment and clothing during clean-up. Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

precautions

Avoid release to the environment. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Clean up in accordance with all applicable regulations.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimise dust generation and accumulation. Do not breathe dust/fume. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Wash thoroughly after handling. When using, do not eat, drink or smoke. Contaminated work clothing must not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Keep locked-up. Avoid contact with acids and alkalies. Avoid contact with oxidising agents.

**7.3. Specific end use(s)** Not available.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

### **Occupational exposure limits**

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	TWA	4 mg/m3	Inhalable fraction.
		1,5 mg/m3	Respirable fraction.
Copper (CAS 7440-50-8)	TWA	0,01 mg/m3	Respirable fraction.
Zirconium (CAS 7440-67-7)	TWA	1 mg/m3	Inhalable fraction.
Germany. TRGS 900, Limit Value	es in the Ambient Air at the	Workplace	
Components	Туре	Value	Form
Aluminium (CAS 7429-90-5)	AGW	10 mg/m3	Inhalable fraction.
		1,25 mg/m3	Respirable fraction.
Beryllium (CAS 7440-41-7)	AGW	0,00014 mg/m3	Inhalable fraction.
		0,00006 mg/m3	Respirable fraction.
Nickel (CAS 7440-02-0)	AGW	0,006 mg/m3	Respirable fraction.
Zirconium (CAS 7440-67-7)	AGW	1 mg/m3	Inhalable fraction.
EU. OELs, Directive 2004/37/EC	on carcinogen and mutage	ns from Annex III, Part A	
Components	Туре	Value	Form
Silica (CAS 14808-60-7)	TWA	0,1 mg/m3	Respirable fraction and dust

**Biological limit values** 

No biological exposure limits noted for the ingredient(s).

## Recommended monitoring procedures

VENTILATION: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Whenever possible, the use of local exhaust ventilation or other engineering controls is the preferred method of controlling exposure to airborne particulate. Where utilized, exhaust inlets to the ventilation system must be positioned as close as possible to the source of airborne generation. Avoid disruption of the airflow in the area of a local exhaust inlet by equipment such as a man-cooling fan. Check ventilation equipment regularly to ensure it is functioning properly. Provide training on the use and operation of ventilation to all users. Use qualified professionals to design and install ventilation systems.

WET METHODS: Machining operations are usually performed under a liquid lubricant/coolant flood which assists in reducing airborne particulate. However, the cycling through of machine coolant containing finely divided particulate in suspension can result in the concentration building to a point where the particulate may become airborne during use. Certain processes such as sanding and grinding may require complete hooded containment and local exhaust ventilation. Prevent coolant from splashing onto floor areas, external structures or operators' clothing. Utilize a coolant filtering system to remove particulate from the coolant.

WORK PRACTICES: Develop work practices and procedures that prevent particulate from coming in contact with worker skin, hair, or personal clothing. If work practices and/or procedures are ineffective in controlling airborne exposure or visual particulate from deposition on skin, hair, or clothing, provide appropriate cleaning/washing facilities. Procedures should be written that clearly communicate the facility's requirements for protective clothing and personal hygiene. These clothing and personal hygiene requirements help keep particulate from being spread to non-production areas or from being taken home by the worker. Never use compressed air to clean work clothing or other surfaces.

Fabrication processes may leave a residue of particulate on the surface of parts, products or equipment that could result in employee exposure during subsequent material handling activities. As necessary, clean loose particulate from parts between processing steps. As a standard hygiene practice, wash hands before eating or smoking.

HOUSEKEEPING: Use vacuum and wet cleaning methods for particulate removal from surfaces. Be certain to de-energize electrical systems, as necessary, before beginning wet cleaning. Use vacuum cleaners with high efficiency particulate air (HEPA). Do not use compressed air, brooms, or conventional vacuum cleaners to remove particulate from surfaces as this activity can result in elevated exposures to airborne particulate. Follow the manufacturer's instructions when performing maintenance on HEPA filtered vacuums used to clean hazardous materials.

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs)

Not available.

Exposure guidelines

Germany DFG MAK (advisory): Skin designation

Cobalt (CAS 7440-48-4)

Can be absorbed through the skin.

#### 8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Whenever possible, the use of local exhaust ventilation or other engineering controls is the preferred method of controlling exposure to airborne particulate. Where utilized, exhaust inlets to the ventilation system must be positioned as close as possible to the source of airborne generation. Avoid disruption of the airflow in the area of a local exhaust inlet by equipment such as a man-cooling fan. Check ventilation equipment regularly to ensure it is functioning properly. Provide training on the use and operation of ventilation to all users. Use qualified professionals to design and install ventilation systems.

#### Individual protection measures, such as personal protective equipment

**General information** 

Not available.

Eye/face protection

Wear approved safety glasses, goggles, face shield and/or welder's helmet when risk of eye injury is present, particularly during operations that generate dust, mist or fume.

Skin protection

- Hand protection

Wear gloves to prevent contact with particulate or solutions. Wear gloves to prevent metal cuts and skin abrasions during handling.

- **Other** Personal protection equipment should be chosen according to the CEN standards and in discussion

with the supplier of the personal protective equipment. Protective overgarments or work clothing must be worn by persons who may become contaminated with particulate during activities. Skin contact with this material may cause, in some sensitive individuals, an allergic dermal response. Particulate that becomes lodged under the skin has the potential to induce sensitization and skin

esions.

**Respiratory protection** When airborne exposures exceed or have the potential to exceed the occupational exposure limits,

approved respirators must be used as specified by an Industrial Hygienist or other qualified professional. Respirator users must be medically evaluated to determine if they are physically capable of wearing a respirator. Quantitative and/or qualitative fit testing and respirator training must be satisfactorily completed by all personnel prior to respirator use. Users of tight fitting respirators must be clean shaven on those areas of the face where the respirator seal contacts the face. Use pressure-demand airline respirators when performing jobs with high potential exposures

such as changing filters in a baghouse air cleaning device.

**Thermal hazards** Not applicable.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure** 

controls

Environmental manager must be informed of all major releases.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

**Appearance** 

Physical state Solid.

Form Solid. Various shapes.
Colour Reddish-brown

Odour None.

Odour threshold Not applicable. **pH** Not applicable.

Melting point/freezing point 954,44 - 1093,33 °C (1750 - 2000 °F) / Not applicable.

Initial boiling point and

boiling range

Not applicable.

Flash point Not applicable.

Evaporation rate Not applicable.

Flammability (solid, gas) None known.

Upper/lower flammability or explosive limits

**Explosive limit - lower (** 

Not applicable.

%)

**Explosive limit – upper** 

(%)

Not applicable.

Vapour pressureNot applicable.Vapour densityNot applicable.Relative densityNot applicable.

Solubility(ies)

Solubility (water)Insoluble.Solubility (other)Not applicable.Partition coefficientNot applicable.

(n-octanol/water)

Auto-ignition temperatureNot applicable.Decomposition temperatureNot applicable.ViscosityNot applicable.Explosive propertiesNot explosive.Oxidising propertiesNot oxidising.

9.2. Other information

**Density** 0,25 - 0,33 lb/in<sup>3</sup> **Specific gravity** 7,74 Not applicable.

#### **SECTION 10: Stability and reactivity**

**10.1. Reactivity** Not available.

10.2. Chemical stability Material is stable under normal conditions.10.3. Possibility of hazardous Hazardous polymerisation does not occur.

reactions

**10.4. Conditions to avoid** Avoid dust formation. Contact with acids. Contact with alkalis.

**10.5. Incompatible materials** Strong acids, alkalies and oxidizing agents.

**10.6. Hazardous** No hazardous decomposition products are known.

decomposition products

## **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

#### Information on likely routes of exposure

**Inhalation** May cause sensitisation by inhalation. May cause allergy or asthma symptoms or breathing

difficulties if inhaled. May cause damage to organs (respiratory system) through prolonged or

repeated exposure.

Skin contactMay cause an allergic skin reaction.Eye contactNot likely, due to the form of the product.IngestionNot likely, due to the form of the product.

**Symptoms** Respiratory disorder.

#### 11.1. Information on toxicological effects

**Acute toxicity** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin

reaction.

**Skin corrosion/irritation** Not likely, due to the form of the product.

Serious eye damage/eye

irritation

Harmful in contact with eyes.

**Respiratory sensitisation** May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Skin sensitisation** May cause an allergic skin reaction.

**Germ cell mutagenicity** Due to lack of data the classification is not possible.

**Carcinogenicity** Cancer hazard.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Beryllium (CAS 7440-41-7) 1 Carcinogenic to humans.

Cobalt (CAS 7440-48-4) 2B Possibly carcinogenic to humans. Nickel (CAS 7440-02-0) 2B Possibly carcinogenic to humans.

Silica (CAS 14808-60-7) 1 Carcinogenic to humans.

**Reproductive toxicity**Not classified.

Specific target organ toxicity

- single exposure

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Specific target organ toxicity

- repeated exposure

May cause damage to organs (respiratory system) through prolonged or repeated exposure by

inhalation.

**Aspiration hazard** Due to lack of data the classification is not possible.

Mixture versus substance

information

Not available.

**Other information** Symptoms may be delayed.

### **SECTION 12: Ecological information**

**12.1. Toxicity** No toxicity data noted for the ingredient(s).

12.2. Persistence and

degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative

potential

Not available.

Partition coefficient Not available.

n-octanol/water (log Kow)

**Bioconcentration factor (BCF)** Not available. **12.4. Mobility in soil** Not available.

12.5. Results of PBT and

vPvB assessment

Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** Not available.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**Residual waste** Empty containers or liners may retain some product residues. This material and its container must

be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company. Waste codes should be assigned by the user based on the application for which

the product was used.

**Disposal** Material should be recycled if possible. Disposal recommendations are based on material as

methods/information supplied. Disposal must be in accordance with current applicable laws and regulations, and material

characteristics at time of disposal.

## **SECTION 14: Transport information**

#### **ADR**

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

**ADN** 

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

**IMDG** 

14.1. - 14.6.: Not regulated as dangerous goods.

## **SECTION 15: Regulatory information**

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Aluminium (CAS 7429-90-5) Copper (CAS 7440-50-8)

Nickel (CAS 7440-02-0)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

#### **Authorisations**

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed.

#### Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Beryllium (CAS 7440-41-7) Nickel (CAS 7440-02-0) Zirconium (CAS 7440-67-7)

# Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Beryllium (CAS 7440-41-7) Silica (CAS 14808-60-7)

#### Other EU regulations

## Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Aluminium (CAS 7429-90-5) Beryllium (CAS 7440-41-7) Copper (CAS 7440-50-8) Zirconium (CAS 7440-67-7)

**Other regulations**The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. Pregnant

women should not work with the product, if there is the least risk of exposure.

**National regulations** Young people under 18 years old are not allowed to work with this product according to EU

Directive 94/33/EC on the protection of young people at work. Follow national regulation for work

with chemical agents.

Water hazard class

AwSV WGK3

15.2. Chemical safety

assessment

No Chemical Safety Assessment has been carried out.

#### **SECTION 16: Other information**

Further information Transportation Emergency

Call Chemtrec at:

Domestic: 800.424.9300 International: 703.527.3887

List of abbreviationsNot available.ReferencesNot available.Training informationNot available.

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