



joke Fill R-90

Print date 06.06.2024
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Version 1.0 (en)

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

1.1 Product identifier

Trade name/designation joke Fill R-90

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

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

Use of the substance/mixture

Rods and wires for welding

Uses advised against

This information is not available.

1.3 Details of the supplier of the safety data sheet

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
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E-mail (competent person):

sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg (Sprache / Language: DE, EN) +49 (0) 761 / 1 92 40

REACH and CLP UK CA Help Desk +44 171 635 9191

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Additional information

This product is not considered hazardous and contains no hazardous components.

2.2 Label elements

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

Remark

The product is not classified according to the CLP Regulation.
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.3 Other hazards

Adverse human health effects and symptoms

Inhalation of dust may cause irritation of the respiratory system.
May cause slight skin irritation.
UV, IR radiation. Heat. May cause eye irritation.
Slag may cause burns.

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Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition / information on ingredients**3.1 Substances**

not applicable

3.2 Mixtures**Hazardous ingredients**

CAS No	EC No	Index No	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
7440-50-8	231-159-6		Kupfer CU	99.5 weight-%		
7440-22-4	231-131-3		Silver, metallic	0.8 - 1.2 weight-%		
7439-89-6	231-096-4		Eisen	0.5 weight-%		
7440-02-0	231-111-4	028-002-00-7	nickel	0.3 weight-%		
7439-96-5	231-105-1		Mangan	0.2 weight-%		
7440-21-3	231-130-8		Silicium	0.1 weight-%		
7723-14-0			red phosphorus	0.01 - 0.05 weight-%		
7440-38-2			arsenic	0.05 weight-%		
7439-92-1			lead massive	0.01 weight-%		
7429-90-5			Aluminium Foil	0.01 weight-%		

Additional information

The components are not freely available in the article, but firmly connected in the form of an alloy.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

In the event of persistent symptoms receive medical treatment.
 Remove casualty to fresh air and keep warm and at rest.

Following inhalation

Ingestion unlikely. Rinse out the mouth

Following skin contact

Prevent exposure.

After eye contact

Reduce exposure to the arc.

Following ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.
 Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed**Symptoms**

This information is not available.

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4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray or mist to cool exposed containers

Unsuitable extinguishing media

This information is not available.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Sparks and hot slag can cause fire. Keep away from flammable materials.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.
Protective clothing.

Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.
Use personal protection equipment.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

For emergency responders

Ensure adequate ventilation.
Personal protection equipment
Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2 Environmental precautions

Sweep or shovel into a suitable container on solid ground

6.3 Methods and material for containment and cleaning up

For containment

After taking up the material dispose according to regulation.

6.4 Reference to other sections

No data available



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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

The product is not:

Combustible

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Take care when re-opening already used containers.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

Wash hands and face before breaks and after work and take a shower if necessary.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special measures required.

Further information on storage conditions

Store and transport separate of food.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Remark

Ensure good ventilation of the workplace.

Technical measures to prevent exposure

ventilation system

Personal protection equipment

Eye/face protection

Use a protective mask equipped with suitable filter glasses.

Contact lenses must not be worn.

Hand protection

Selection of the glove material considering the breakthrough times, permeation rates and the degradation.

Skin protection suitable for the intended use must be provided.

Welding gloves

Respiratory protection

Respiratory protection necessary at:

insufficient ventilation

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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Physical state**

solid

Colour

copper

Odour

odourless

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	Melting point 1030- 1040 °C		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	not determined		
Viscosity	not determined		
Solubility(ies)	not determined		
Partition coefficient n-octanol/water (log value)	not determined		
Vapour pressure	not determined		
Density and/or relative density	not determined		
Relative vapour density	not determined		
particle characteristics	not determined		

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

This information is not available.

10.2 Chemical stability

stable

10.3 Possibility of hazardous reactions

This information is not available.



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10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

None, when used as intended.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	not determined		
Acute dermal toxicity	not determined		
Acute inhalation toxicity	not determined		

Assessment/classification

No data available

Skin corrosion/irritation

Assessment/classification

This information is not available.

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
No data available		

Assessment/classification

This information is not available.

Sensitisation to the respiratory tract

Assessment/classification

No information available.

Skin sensitisation

Assessment/classification

This material or its emissions may cause allergic or hypersensitivity reactions or aggravate existing health problems.

Germ cell mutagenicity

Assessment/classification

This information is not available.

Carcinogenicity

not determined



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Reproductive toxicity

Assessment/classification

This information is not available.

STOT-single exposure

STOT SE 1 and 2

Other information

Intensive exposure to welding fumes can lead to:
 Fever, nausea, dizziness, irritation of the eyes, irritation of the
 respiratory tract or other mucous membranes.

STOT-repeated exposure

Other information

Intensive exposure to welding fumes can lead to:
 Lung/bronchial disease and respiratory problems. These
 can also be caused or aggravated.
 Excessive exposure to: Manganese (Mn) - can damage the central nervous
 nervous system or aggravate existing conditions.
 Inhalation of silica dust: May cause lung damage.
 May cause cancer.

Aspiration hazard

Remark

This information is not available.

11.2 Information on other hazards

Additional information

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	not determined		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	not determined		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	not determined		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

12.2 Persistence and degradability

No data available



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12.3 Bioaccumulative potential

Assessment/classification

This information is not available.

12.4 Mobility in soil

Assessment/classification

not applicable

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

Additional ecotoxicological information

Additional information

Product is not allowed to be discharged into the ground water or aquatic environment.
 This product contains no hazardous components for the environment. Avoid release into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste codes/waste designations according to EWC/AVV

Waste code packaging	Waste name
120101	ferrous metal filings and turnings
120113	welding wastes

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

Appropriate disposal / Package

Dispose of according to official regulations.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	-	-	-

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

No data available



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All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

Land transport (ADR/RID)

Remark

Not classified for this transport carrier.

Sea transport (IMDG)

Remark

Not classified for this transport carrier.

Air transport (ICAO-TI / IATA-DGR)

Remark

Not classified for this transport carrier.

SECTION 15: Regulatory information

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

National regulations

Additional information

The fumes and gases produced during welding can be dangerous. Good ventilation of the workplace is necessary. Electric arcs can cause burns to the eyes and skin. on the skin. Electric shocks can be fatal. Wear appropriate protective clothing.

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

Indication of changes

* Data changed compared with the previous version

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE: Acute Toxicity Estimate
ASTM: American Society for Testing and Materials
ATEmix: Acute Toxicity Estimate for Mixtures
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
ECHA: European Chemicals Agency
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
JArbSchG: Youth Labor Protection Act (DE)
MuSchRiV: Maternity Protection Guideline Ordinance (DE)
PBT: persistent and bioaccumulative and toxic
REACH: Registration, Evaluation and Authorization of Chemicals
RID: Dangerous goods regulations for transport by rail
SVHC: Substance of Very High Concern
vPvB: very persistent, very bioaccumulative
WGK: water hazard class

Key literature references and sources for data

Datasheets of the manufacturer

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Additional information

National and local regulations concerning chemicals shall be observed.

This safety data sheet contains an ES in an integrated form. Contents of the exposure scenario have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.

The information contained herein relates only to the designated product.