



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

1.1. Product identifier

Name of product joke Fill A-50

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

Identified uses

Sector of uses [SU]

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

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

Recommended intended purpose(s)

Rods and wires for welding

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

joke Technology GmbH
Asselborner Weg 14-16, D-51249 Bergisch Gladbach
Phone +49 (0) 22 04 / 8 39-0, Fax +49 (0) 22 04 / 8 39-60
E-Mail info@joke.de
Internet www.joke.de

Advice

Phone +49 (0) 22 04 / 8 39-0
Fax +49 (0) 22 04 / 8 39-60
E-mail (competent person):
safety-data-sheet@joke.de

1.4. Emergency telephone number

Emergency advice

Vergiftungs-I-Z. Freiburg
Phone Telefon: +49 (0) 761 / 1 92 40
REACH and CLP UK CA Help Desk; Telephone: +44
171 635 9191

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard statements for physical hazards

no

Hazard statements for health hazards

no

Hazard statements for environmental hazards

no

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

Additional hints

Compact metal/alloy without hazards for human health or environment.

The product is not classified according to the CLP regulation.

2.2. Label elements



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

Hazard statements for physical hazards

no

Hazard statements for health hazards

no

Hazard statements for environmental hazards

no

Precautionary Statements

Prevention

P285 In case of inadequate ventilation wear respiratory protection.

Additional information

Remark

Bei der Be- und Verarbeitung (z. B. Schweißen, Trennen, Schleifen) können Stäube und Rauch auftreten, die beim Einatmen Gesundheitsgefahren bedeuten können (siehe Abschnitt 8.2).

Gemäß den Bestimmungen der Verordnung (EG) Nr. 1907/2006 über Registrierung, Bewertung und Zulassung von Stoffen als solchen oder in Gemischen (REACH) ist unser Produkt ein Erzeugnis.

2.3. Other hazards

Results of PBT and vPvB assessment

No data available

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

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

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
7439-95-4	231-104-6	magnesium powder (pyrophoric)		Water-react. 1, H260 / Pyr. Sol. 1, H250
7440-02-0	231-111-4	nickel		Carc. 2, H351 / STOT RE 1, H372 / Skin Sens. 1, H317
7440-67-7	231-176-9	zirconium powder (pyrophoric)		Water-react. 1, H260 / Pyr. Sol. 1, H250
7429-90-5	231-072-3	Aluminium powder (pyrophoric)		Water-react. 2, H261 / Pyr. Sol. 1, H250
1314-13-2	215-222-5	zinc oxide		Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
7440-47-3	231-157-5	Chrom		
1344-28-1	215-691-6	aluminium-oxide		
7439-89-6	231-096-4	Eisen		
7439-96-5	231-105-1	Mangan		
7440-21-3	231-130-8	Silicium		
7440-32-6	231-142-4	Titan (Ti)		
7440-90-5	231-175-3	Zink (Zn)		
7440-50-8	231-159-6	Kupfer (Cu)		
7440-62-2	231-171-1	Vanadium (V)		



Additional advice

The percentage content varies according to the alloy according to the standards ISO 18273, EN 573 and AWS A5.10.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aid measures refer to dust and vapors.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

Rinse out mouth thoroughly with water.

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

Physician's information / possible symptoms

The following symptoms may occur:

Irritating

Coughing

vomiting

Headache

Dizziness

Fever

Physician's information / possible dangers

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

Symptoms may not occur until several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry sand

D powder

Unsuitable extinguishing media

water

halogenated extinguishing agents



5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

Use breathing apparatus if exposed to vapours/dust/aerosol.

For emergency responders

Ensure adequate ventilation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

6.3. Methods and material for containment and cleaning up

Take up mechanically and send for disposal.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid skin contact.

Provide good room ventilation even at ground level (vapours are heavier than air).

Provide suitable extraction at the processing machines.

General protective measures

Do not inhale dust/fumes/aerosols.

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Wash soiled clothing immediately.

Keep away from food and drink.

Wash hands and skin before breaks and after work.

Advice on protection against fire and explosion

The product is not combustible.

The vapours of product are heavier than air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special measures required.



Advice on storage compatibility

Store and transport separate of food.

Further information on storage conditions

Storage: dry

Information on storage stability

No information available.

Storage group 13

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice

It is not necessary to monitor the workplace when handling the unprocessed product as the alloying agents are firmly attached to the metal.

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

Multi-purpose filter ABEK/P3

Hand protection

Selection of the glove material considering the breakthrough times, permeation rates and the degradation. chemical-resistant gloves

Eye protection

safety goggles with side protection

Other protection measures

Impermeable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

solid

Colour

silver-coloured

Odour

odourless

Odour threshold

No information available.

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
boiling point	ca. 2300 °C				
melting point	ca. 543 - 660 °C				depending on the alloy
Flash point	not applicable				



	Value	Temperature	at	Method	Remark
Vapourisation rate	not determined				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	2,5 - 2,9 g/cm ³				
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity No data available	not determined				
Solvent content	0 %				

Oxidising properties

No information available.

Explosive properties

The product is not explosive.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

stable



10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Powdered metals

10.5. Incompatible materials

Substances to avoid

Alkali (lye), concentrated

Acid, concentrated

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	No data available			
LD50 acute dermal	No data available			
LC50 acute inhalation	No data available			
Skin irritation	No information available.			
Eye irritation	No information available.			
Skin sensitization	No information available.			
Sensitization respiratory system	No information available.			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity				no
Subchronic Toxicity				no
Chronic Toxicity				no
Mutagenicity				No information available.
Reproduction-Toxicity				No information available.



Value	Species	Method	Validation
Carcinogenicity			No information available.
Specific target organ toxicity (single exposure)			
No information available.			
Specific target organ toxicity (repeated exposure)			
No information available.			
Aspiration hazard			
no			
Additional information			
Based on available data, the classification criteria are not met.			

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

Avoid contact with a humid environment with a pH below 5.5 or above 8.5.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Material recycling possible.

Remove in accordance with local official regulations.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-



	ADR/RID	IMDG	IATA-DGR
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-
14.6. Special precautions for user No information available.			
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.			
Land and inland navigation transport ADR/RID No dangerous goods as defined by these transport regulations.			
Marine transport IMDG No dangerous goods as defined by these transport regulations.			
Air transport ICAO/IATA-DGR No dangerous goods as defined by these transport regulations.			
Transport/further information No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.			

SECTION 15: Regulatory information

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

No information available.

National regulations

Water hazard class - self-classification
 nwh - not water hazardous

15.2. Chemical Safety Assessment

Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

SECTION 16: Other information

Further information

The information contained herein relates only to the designated product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.6

- H250 Catches fire spontaneously if exposed to air.
- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H261 In contact with water releases flammable gases.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
- H372 Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 27.03.2019 (GB) Version 1.7

joke Fill A-50



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- H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.