



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

### 1.1. Product identifier

**Name of product** joke Fill M-55

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

#### Identified uses

#### Sector of uses [SU]

SU14 - Manufacture of basic metals, including alloys

#### Remark

For products, there is no legal obligation to prepare a safety data sheet.

The following information is therefore voluntary information. To ensure good readability, they are based on the form of the safety data sheets known in the chemicals law.

Since the risk of product processing can vary widely due to different processing methods, these are general safety recommendations.

Plastics produced by polycondensation of urea, phenolic, polyester or melamine resins.

#### Recommended intended purpose(s)

Steel with alloying additions below the consideration limit in accordance with Regulation (EC) No 1272/2008 on the Classification, Labeling and Packaging of Substances and Mixtures (CLP).

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

#### Manufacturer/distributor

joke Technology GmbH  
Asselborner Weg 14-16, D-51429 Bergisch Gladbach  
Phone +49 (0) 22 04 – 8 39 - 0, Fax +49 (0) 22 04 – 8 39 - 60  
E-Mail [info@joke.de](mailto:info@joke.de)  
Internet [www.joke.de](http://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](mailto:safety-data-sheet@joke.de)

### 1.4. Emergency telephone number

#### Emergency advice

Vergiftungs-I-Z. Freiburg  
Phone +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

No information available.

### 2.2. Label elements

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

No information available.

### 2.3. Other hazards

No information available.



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

### **3.2. Mixtures**

#### **Description**

Steels can contain alloying elements such as manganese, tungsten, aluminum, copper, niobium, titanium, and other non-hazardous substances.

These are below the thresholds laid down in Regulation (EC) No 1272/2008 on the classification, labeling and packaging of Substances and mixtures (CLP).

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

### **4.1. Description of first aid measures**

#### **General information**

First aid measures refer to dusts and fumes (shortness of breath and irritation of the respiratory tract, see section 11)

#### **In case of inhalation**

Leave the danger area after inhalation of dust and smoke.

Ensure of fresh air.

In case of complaints, seek medical advice.

#### **In case of skin contact**

No information available.

#### **In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

#### **In case of ingestion**

No information available.

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

#### **Physician's information / possible symptoms**

No information available.

#### **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.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

#### **Unsuitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

No information available.



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**5.3. Advice for firefighters**  
No information available.

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

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

#### **For non-emergency personnel**

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

#### **For emergency responders**

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

### **6.2. Environmental precautions**

No information available.

### **6.3. Methods and material for containment and cleaning up**

No information available.

### **6.4. Reference to other sections**

Personal protection equipment: see section 8

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

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid the formation and deposition of dust.

Observe the TRGS 528 "Welding" and the TRGS 900 "Air limitation at the workplace".

During the heat treatment and / or mechanical processing at the machine / at the workplace extraction measures are required on the processing machines.

Extraction in situ required.

#### **General protective measures**

Do not breathe dust and smoke.

#### **Hygiene measures**

Not brush off contaminated clothing.

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

#### **Advice on protection against fire and explosion**

The product is not combustible.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

No special measures required.

#### **Advice on storage compatibility**

Do not store with acids or alkalies.

#### **Further information on storage conditions**

Store in a dry place.

### **7.3. Specific end use(s)**

#### **Recommendation(s) for intended use**

Deformation by drawing, forging and rolling. Machining by welding, cutting, related processes, sawing, milling, peeling and cutting, and electrochemical machining (e.g., eroding).

Oberflächenbehandlung, Wärmebehandlung, Einsatz in schmelzmetallurgischen Prozessen.



## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
7439-92-1	Blei	Blei	400 µg/l	B	a
7439-92-1	Blei	Blei	300 µg/l (Frauen < 45 J.)	B	a

#### 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.

When processing the product, hazardous substances may be produced, mainly due to high temperatures and contact with air.

Under European law, the steel processor must assess the hazards of self-produced hazardous substances and establish safety precautions for employees.

### 8.2. Exposure controls

#### Respiratory protection

Personal protective equipment if the technical measures do not apply or are not enough.

When air limits are exceeded, especially the general one

Dust limit value (respirable dust content below 1.25 mg / m<sup>3</sup>), select appropriate protective equipment.

In some cases, a Class 3 (FFP3) dust filter is permitted for short-term use. Ensure employee health and observe time restrictions.

#### Hand protection

Protective gloves

#### Eye protection

Adapt the protective equipment to the processing method of the product.

#### Other protection measures

protective clothing

#### Appropriate engineering controls

Additional information on the design of technical systems see section 7.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

solid

#### Colour

silver-grey

#### Odour

odourless

#### Odour threshold

not determined

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	No data available				
<b>boiling range</b>	2700 - 2900 °C				



	Value	Temperature	at	Method	Remark
<b>melting range</b>	1400 - 1600 °C				
<b>Flash point</b>	not applicable				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	not determined				
<b>Upper explosion limit</b>	not determined				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	7,7 - 8,9 g/cm3				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					insoluble
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity</b>	not determined				
<b>Oxidising properties</b> No information available.					
<b>Explosive properties</b> No information available.					
<b>9.2. Other information</b> No information available.					

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known.

### 10.2. Chemical stability

No information available.



### 10.3. Possibility of hazardous reactions

No information available.

### 10.4. Conditions to avoid

No information available.

### 10.5. Incompatible materials

#### Substances to avoid

Acid, concentrated

### 10.6. Hazardous decomposition products

Formation of hydrogen on contact with concentrated strong acids possible.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	No data available			
<b>LD50 acute dermal</b>	No data available			
<b>LC50 acute inhalation</b>	No data available			

#### Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
<b>Mutagenicity</b>				No information available.
<b>Reproduction-Toxicity</b>				No information available.
<b>Carcinogenicity</b>				No information available.

#### Specific target organ toxicity (single exposure)

No information available.

#### Specific target organ toxicity (repeated exposure)

No information available.

#### Toxicity test (Additional information)

Testing of this product is not required by law.

#### Additional information

No toxicological data available.

The pollutants generated during processing are the manufacturer's manufacturing products and depend on the quality of the steel, the processing technology used and, if applicable, the coating materials of the steel.



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## 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

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

#### General regulation

None of the substances contained in the steel should be released under normal or reasonably foreseeable conditions of use.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste code No.

12 01 99

#### Name of waste

wastes not otherwise specified

#### Recommendations for the product

Return to manufacturer.

#### Recommendations for packaging

Dispose of according to official regulations.

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## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN 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 information available.			



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**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.

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**SECTION 15: Regulatory information**

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

No information available.

**15.2. Chemical Safety Assessment**

No information available.

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**SECTION 16: Other information**

**Further information**

This is a safety information for steel with alloying materials without classification according to Regulation (EC) No. 1272/2008 (CLP)