



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

1.1. Product identifier

Name of product joke Fill M-45

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
Internet www.joke.de

Advice

Markus Abstoss
Phone +49 (0) 22 04 – 8 39 - 577
Fax +49 (0) 22 04 – 8 39 - 60
E-mail (competent person):
m.abstoss@joke.de

1.4. Emergency telephone number

Emergency advice

Vergiftungs-I-Z. Freiburg
Phone +49 (0)761 19240
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.

! 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).

! 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 eye contact

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

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

No information available.

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

No information available.

! SECTION 5: Firefighting measures

5.1. Extinguishing media

! Suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

No information available.

! SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No information available.

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

! 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.

7.3. Specific end use(s)

! Recommendation(s) for intended use

Verformung durch Ziehen, Schmieden und Auswalzen. Bearbeitung durch Schweißen, Schneiden, verwandte Verfahren, durch Sägen, Fräsen, Schälen und Zerspannen sowie elektrochemische Bearbeitung (z.B. erodieren).

Oberflächenbehandlung, Wärmebehandlung, Einsatz in schmelzmetallurgischen Prozessen.

! 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.

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 / m³), 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.

! 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
pH value	not determined				
boiling range	2700 - 2900 °C				
melting range	1400 - 1600 °C				
Flash point	not determined				
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	8,9 g/cm ³	7,7 °C			
Vapour density	not determined				
Solubility in water					insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				



	Value	Temperature	at	Method	Remark
Decomposition temperature	not determined				
Viscosity	not determined				
Oxidising properties	No information available.				
Explosive properties	No information available.				
9.2. Other information	No information available.				

! SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

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

No information available.

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

! Toxicity test (Additional information)

Testing of this product is not required by law.

! Additional information

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.

! 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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No information available.

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.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

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

! 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)

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.1