



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

1.1. Product identifier

Name of product joke Fill K-77

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-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

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 +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

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

Disposal

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

2.3. Other hazards

Results of PBT and vPvB assessment

not applicable

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] |
|-----------|-----------|--------|------------|---|
| 7440-02-0 | 231-111-4 | nickel | 50 - 100 | Carc. 2, H351 / STOT RE 1, H372 / Skin Sens. 1, H317 |
| 7440-47-3 | 231-157-5 | Chrom | 12,5 - 25 | |

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

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

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.

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.

At higher temperature (welding) product may decompose intensive and dangerous.

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

8.2. Exposure controls

Respiratory protection

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

Hand protection

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

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
No information available.

Odour
odourless

Odour threshold
No information available.

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|--|-------------------|-------------|----|--------|-----------------------------------|
| pH value | not applicable | | | | |
| Boiling temperature / boiling range | No data available | | | | |
| Melting point / Freezing point | No data available | | | | |
| Flash point | not applicable | | | | |
| Vapourisation rate | not applicable | | | | |
| Flammable (solid) | not determined | | | | |
| Flammability (gas) | not determined | | | | |
| 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 | not determined | | | | |
| Vapour density | not applicable | | | | |
| Solubility in water | | | | | insoluble |
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P O/W) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity dynamic | not applicable | | | | |



| | Value | Temperature | at | Method | Remark |
|-------------------------------|-------------------------------|-------------|----|--------|--------|
| Viscosity kinematic | not applicable | | | | |
| 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

No information available.

10.5. Incompatible materials

Substances to avoid

No information available.

10.6. Hazardous decomposition products

None, when used as intended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

| | Value/Validation | Species | Method | Remark |
|---|------------------|---------|--------|--------|
| Skin irritation | non-irritant | | | |
| Eye irritation | non-irritant | | | |
| Skin sensitization | non-sensitizing | | | |
| Sensitization respiratory system | not sensitizing | | | |



Subacute Toxicity - Carcinogenicity

| Value | Species | Method | Validation |
|--|---------|--------|------------|
| Mutagenicity | | | no |
| Reproduction-Toxicity | | | no |
| Carcinogenicity | | | no |
| Specific target organ toxicity (single exposure) no | | | |
| Specific target organ toxicity (repeated exposure) no | | | |
| 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

| | Elimination rate | Method of analysis | Method | Validation |
|---------------------------------------|-------------------|--------------------|--------|------------|
| Physico-chemical degradability | No data available | | | |
| Biological degradability | No data available | | | |
| Degradability | No data available | | | |

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

not applicable

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| Waste code No. | Name of waste |
|----------------|----------------|
| 12 01 13 | welding wastes |



Recommendations for the product

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 | - | - | - |
| 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

A chemical safety assessment was not carried out.



SECTION 16: Other information

Further information

The information contained herein relates only to the designated product.

- 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).