



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

1.1. Product identifier

Name of product joke Fill K-33

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) 2204 - 839 - 0, Fax +49 (0) 2204 - 839 - 60
E-Mail info@joke.de
Internet www.joke.de

Advice

Markus Abstoss
Phone +49 (0) 2204 - 839 - 577
Fax +49 (0) 2204 - 839 - 60
E-mail (competent person):
m.abstoss@joke.de

1.4. Emergency telephone number

Emergency advice

Vergiftungs-I-Z. Freiburg
Phone +49 (0) 7 61 - 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

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

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

| | | |
|--------------|------|--|
| Skin Sens. 1 | H317 | |
| Carc. 2 | H351 | |
| STOT RE 1 | H372 | |

Hazard statements for health hazards

| | |
|------|---|
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

2.2. Label elements

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



GHS07



GHS08

Signal word
Danger

Hazard statements for health hazards

H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention

P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P405 Store locked up.

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



Hazardous ingredients (continued)

| CAS No | EC No | Name | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] |
|-----------|-----------|--------|------------|--|
| 7440-02-0 | 231-111-4 | nickel | 10 - 50 | Carc. 2, H351 / STOT RE 1, H372 / Skin Sens. 1, H317 |
| 7440-47-3 | 231-157-5 | Chrom | 10 - 50 | |

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

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

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.

Neoprene 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

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 | not determined | | | | |
| melting point | ca. 1450 °C | | | | |
| 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 | 8 kg/m 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 | 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

Produkt bis 800 °C stabil.



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

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

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 | low irritant effect - not necessary to label | | | |
| Eye irritation | No information available. | | | |
| Skin sensitization | May cause an allergic skin reaction. | | | |
| Sensitization respiratory system | No information available. | | | |

Subacute Toxicity - Carcinogenicity

| | Value | Species | Method | Validation |
|------------------------------|-------|---------|--------|------------------------------|
| Mutagenicity | | | | No information available. |
| Reproduction-Toxicity | | | | No information available. |
| Carcinogenicity | | | | Suspected of causing cancer. |

Specific target organ toxicity (single exposure)

No information available.

Specific target organ toxicity (repeated exposure)

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

no

Additional information

Based on available data, the classification criteria are not met.



SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

| | Value | Species | Method | Validation |
|----------------|------------------------|---------------------------|--------|------------|
| Fish | LC50 > 100 mg/l (96 h) | | | |
| Daphnia | EC > 100 mg/l (48 h) | Daphnia magna | | |
| Algae | ErC50 100 mg/l (72 h) | Selenastrum capricornutum | | |

12.2. Persistence and degradability

No information 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 |
|----------------|--|
| 15 01 02 | plastic packaging |
| 16 03 03* | inorganic wastes containing hazardous substances |

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

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) | - | - | - |



| | ADR/RID | IMDG | IATA-DGR |
|--|---------|------|----------|
| 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.

VOC standard

VOC content 0 %

National regulations

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

15.2. Chemical Safety Assessment

For this mixture a chemical safety assessment has been 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).