



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

1.1. Product identifier

Name of product joke Modelliergranulat

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)

Modeling granules

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

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 substance is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

This article doesn't contain hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

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

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

This mixture does not contain any notifiable substances according to the criteria of 3.2 of Annex II of the REACH Regulation.

! SECTION 4: First aid measures

4.1. Description of first aid measures

! General information

In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.
In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.
In the event of symptoms refer for medical treatment.

! In case of skin contact

Do not remove contaminated clothing when in contact with the molten product. Immediately rinse skin with cold water.
Do not take off solidified product from skin.
Seek medical advice immediately.
Consult a doctor if skin irritation persists.

! In case of eye contact

Eye rinsing with water carefully while protecting unhurt eye.
Remove contact lenses, if possible

In case of ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.

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

Physician's information / possible symptoms

Irritating
Headache
Nausea
Dizziness



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

Foam

Dry powder

water mist

Unsuitable extinguishing media

No information available.

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.

Wear full protective clothing.

Additional information

Thermoplastic polymers are flammable. Protect product against flames.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

Avoid dust formation.

Use personal protective clothing.

High risk of slipping due to leakage/spillage of product.

For emergency responders

Ensure adequate ventilation.

Avoid dust formation.

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

High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up mechanically and send for disposal.

Additional Information

Informations for personal protective equipment see chapter 8.

Informations for disposal see chapter 13.



6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

While handling with warm product suck off vapours and wear respiratory protection.
Treatment only in suitable rooms and systems.
Use only in well-ventilated areas.

General protective measures

Avoid contact of molten material with skin.
Do not inhale dust/fumes/aerosols.

Hygiene measures

At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.
Wash skin thoroughly and immediately after handling the product.
Keep away from food and drink.

Advice on protection against fire and explosion

The product is combustible.
Do not smoke.
The dried up polymer film is combustible.
Avoid impact, friction and electrostatically charging.
Pay attention to general rules of internal fire prevention.
Nach Gebrauch nicht gewaltsam öffnen oder verbrennen.
Avoid formation of dust.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.
Ventilate store-rooms thoroughly.

Advice on storage compatibility

Do not store together with animal feedstuffs.
Do not store together with food.

Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.
Protect from direct solar radiation.
Protect from heat/overheating.

Information on storage stability

not determined

Storage group No storage classification.

7.3. Specific end use(s)

No information available.



SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice

The national and local legal regulations are to be observed.

8.2. Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection.

In case of dust formation wear micro dust mask.

Hand protection

Heat-resistant gloves

Angaben zum Handschuhmaterial [Art/Typ, Dicke, Durchdringzeit/Tragedauer, Benetzungstärke]: DIN EN 374, >0,4 mm, > 480 min.

Eye protection

safety goggles with side protection

Other protection measures

antistatic boots

protective clothing

Thermal hazards

Das Produkt ist brennbar und kann beim Erwärmen oder Versprühen entzündliche Gas/Luft-Gemische bilden.

Limitation and surveillance of the environment

No data available

Appropriate engineering controls

ventilation system

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

fine-grained granules

Colour

colourless

Odour

hardly noticeable

Odour threshold

No data available

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|---------------------------------------|-------------------|-------------|----|--------|--------|
| pH value | No data available | | | | |
| boiling point | No data available | | | | |
| Melting point / Freezing point | No data available | | | | |
| Flash point | No data available | | | | |



| | Value | Temperature | at | Method | Remark |
|--|-------------------|-------------|----|--------|-------------------|
| Vapourisation rate | No data available | | | | |
| Flammable (solid) | No data available | | | | |
| Flammability (gas) | No data available | | | | |
| Ignition temperature | No data available | | | | |
| Self ignition temperature | No data available | | | | |
| Lower explosion limit | No data available | | | | |
| Upper explosion limit | No data available | | | | |
| Vapour pressure | No data available | | | | |
| Relative density | No data available | | | | |
| Bulk density | No data available | | | | |
| Vapour density | No data available | | | | |
| Solubility in water | | | | | insoluble |
| Solubility/other | No data available | | | | |
| Partition coefficient n-octanol/water (log P O/W) | No data available | | | | |
| Decomposition temperature | No data available | | | | |
| Viscosity | No data available | | | | |
| Solvent separation test | | | | | No data available |
| Solvent content | | | | | No data available |
| Water content | | | | | No data available |



| | Value | Temperature | at | Method | Remark |
|--------------------------------|---------------------------|-------------|----|--------|-------------------|
| Solids content | | | | | No data available |
| Combustion value | No data available | | | | |
| Sensitiveness to impact | No data available | | | | |
| Oxidising properties | No data available | | | | |
| Explosive properties | No data available | | | | |
| 9.2. Other information | No information available. | | | | |

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

stable

10.3. Possibility of hazardous reactions

no

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Substances to avoid

No information available.

10.6. Hazardous decomposition products

Nitrogen oxides (NOx)

Carbon monoxide and carbon dioxide.

Isocyanates

Additional information

No information available.

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 | | | |



| | Value/Validation | Species | Method | Remark |
|---|--|---------|--------|--------|
| LC50 acute inhalation | No data available | | | |
| Skin irritation | low irritant effect - not necessary to label | | | |
| Eye irritation | low irritant - no labeling duty | | | |
| Skin sensitization | No data available | | | |
| Sensitization respiratory system | No data available | | | |

Subacute Toxicity - Carcinogenicity

| | Value | Species | Method | Validation |
|--|-------|---------|--------|-------------------|
| Subacute Toxicity | | | | No data available |
| Subchronic Toxicity | | | | No data available |
| Chronic Toxicity | | | | No data available |
| Mutagenicity | | | | No data available |
| Reproduction-Toxicity | | | | No data available |
| Carcinogenicity | | | | No data available |
| Specific target organ toxicity (single exposure) No data available | | | | |
| Specific target organ toxicity (repeated exposure) No data available | | | | |
| Aspiration hazard No data available | | | | |
| Toxicity test (Additional information) No data available | | | | |
| Experiences made from practice No data available | | | | |
| Additional information No data available | | | | |



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 | | | |
| Biological eliminability | | | | No information available. |

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Additional ecological information

| | Value | Method | Remark |
|------------|----------------|--------|--------|
| OC | not applicable | | |
| COD | not applicable | | |
| BOD | not applicable | | |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA-DGR |
|------------------------|---------|------|----------|
| 14.1. UN number | - | - | - |



| | ADR/RID | IMDG | IATA-DGR |
|--|---------|------|----------|
| 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 data available | | | |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not applicable | | | |
| 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

Authorizations

No data available

Application restrictions

No data available

Other regulations (EU)

No data available

VOC standard

Remark

No data available

National regulations

Restriction of occupation

No data available

Other regulations, restrictions and prohibition regulations

No data available



Water hazard class 1 slightly hazardous to water

15.2. Chemical Safety Assessment

Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

SECTION 16: Other information

Training advice

No data available

Further information

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.0