

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**
Version: **GHS 1.0 en**

date of compilation: 2019-05-15

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

1.1 Product identifier

| | |
|---------------------------------|------------------------|
| Identification of the substance | Iodine solution |
| Article number | 6765 |
| Registration number (REACH) | not relevant (mixture) |

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

Identified uses: laboratory chemical
laboratory and analytical use

1.3 Details of the supplier of the safety data sheet

Carl Roth GmbH + Co KG
Schoemperlenstr. 3-5
D-76185 Karlsruhe
Germany

Telephone: +49 (0) 721 - 56 06 0

Telefax: +49 (0) 721 - 56 06 149

e-mail: sicherheit@carlroth.de

Website: www.carlroth.de

Competent person responsible for the safety data : Department Health, Safety and Environment sheet

e-mail (competent person) : sicherheit@carlroth.de

1.4 Emergency telephone number

| Name | Street | Postal code/city | Telephone | Website |
|--|-----------------|--------------------|-----------|---------|
| NSW Poisons Information Centre Childrens Hospital | Hawkesbury Road | 2145 Westmead, NSW | 131126 | |

Emergency information service

Poison Centre Munich: +49/(0)89 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

| Classification acc. to GHS | | | |
|----------------------------|--|---------------------------|------------------|
| Section | Hazard class | Hazard class and category | Hazard statement |
| 3.7L | effects on or via lactation | (Lact.) | H362 |
| 3.9 | specific target organ toxicity - repeated exposure | (STOT RE 2) | H373 |

2.2 Label elements

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

Labelling GHS

Signal word

Warning

Pictograms

GHS08



Hazard statements

H362

May cause harm to breast-fed children

H373

May cause damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed)

Precautionary statements

Precautionary statements - prevention

P201

Obtain special instructions before use.

P260

Do not breathe dusts or mists.

P263

Avoid contact during pregnancy/while nursing.

Precautionary statements - response

P308+P313

IF exposed or concerned: Get medical advice/attention.

P314

Get medical advice/attention if you feel unwell.

Precautionary statements - disposal

P501

Dispose of contents/container to industrial combustion plant.

Labelling of packages where the contents do not exceed 125 ml

Signal word: **Warning**

Symbol(s)



H362

May cause harm to breast-fed children.

2.3 Other hazards

There is no additional information.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description of the mixture

Composition/information on ingredients.

| Name of substance | Identifier | wt% | Classification acc. to 1272/2008/EC | Pictograms |
|-------------------|---|------|-------------------------------------|------------|
| Water | CAS No 7732-18-5 EC No 231-791-2 | ≥ 50 | | |

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: 6765

| Name of substance | Identifier | wt% | Classification acc. to 1272/2008/EC | Pictograms |
|-------------------|---|-------|--|------------|
| Iodine | CAS No 7553-56-2 EC No 231-442-4 Index No 053-001-00-3 REACH Reg. No 01-2119485285-30- xxxx | < 2.5 | Acute Tox. 4 / H302 Acute Tox. 4 / H312 Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 STOT SE 3 / H335 STOT RE 1 / H372 Aquatic Acute 1 / H400 | |
| Potassium iodide | CAS No 7681-11-0 EC No 231-659-4 REACH Reg. No 01-2119906339-35- xxxx | < 2.5 | STOT RE 1 / H372 | |

Remarks

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures



General notes

Take off contaminated clothing.

Following inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Following skin contact

Rinse skin with water/shower. In all cases of doubt, or when symptoms persist, seek medical advice.

Following eye contact

Rinse cautiously with water for several minutes. In all cases of doubt, or when symptoms persist, seek medical advice.

Following ingestion

Rinse mouth. Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date

4.3 Indication of any immediate medical attention and special treatment needed

none

Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: 6765

SECTION 5: Firefighting measures

5.1 Extinguishing media



Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings
water spray, foam, dry extinguishing powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Non-combustible.

5.3 Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures



For non-emergency personnel

Do not breathe vapour/spray.

6.2 Environmental precautions

Keep away from drains, surface and ground water.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Other information relating to spills and releases

Place in appropriate containers for disposal.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid: Aerosol or mist formation.

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Incompatible substances or mixtures

Observe hints for combined storage.

Consideration of other advice

- **Ventilation requirements**

Use local and general ventilation.

- **Specific designs for storage rooms or vessels**

Recommended storage temperature: 15 – 25 °C.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent | CAS No | Notation | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Source |
|---------|---------------|-----------|----------|------------|-----------|--------------------------|------------|---------------------------|--------|
| AU | iodine | 7553-56-2 | | WES | | | | | WES |

Notation

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs/DMELs/PNECs and other threshold levels

- **relevant DNELs of components of the mixture**

| Name of substance | CAS No | Endpoint | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|-------------------|-----------|----------|------------------------|------------------------------------|-------------------|----------------------------|
| Iodine | 7553-56-2 | DNEL | 0.07 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Iodine | 7553-56-2 | DNEL | 0.01 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Potassium iodide | 7681-11-0 | DNEL | 0.07 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|-------------------|-----------|-----------|-----------------|------------------------------------|-------------------|----------------------------|
| Potassium iodide | 7681-11-0 | DNEL | 1 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |

• relevant PNECs of components of the mixture

| Name of substance | CAS No | Endpoint | Threshold level | Environmental compartment | Exposure time |
|-------------------|-----------|----------|-----------------|------------------------------|------------------------------|
| Iodine | 7553-56-2 | PNEC | 18.13 µg/l | freshwater | short-term (single instance) |
| Iodine | 7553-56-2 | PNEC | 60.01 µg/l | marine water | short-term (single instance) |
| Iodine | 7553-56-2 | PNEC | 11 mg/l | sewage treatment plant (STP) | short-term (single instance) |
| Iodine | 7553-56-2 | PNEC | 3.99 mg/kg | freshwater sediment | short-term (single instance) |
| Iodine | 7553-56-2 | PNEC | 20.22 mg/kg | marine sediment | short-term (single instance) |
| Iodine | 7553-56-2 | PNEC | 5.95 mg/kg | soil | short-term (single instance) |
| Potassium iodide | 7681-11-0 | PNEC | 0.007 mg/l | freshwater | short-term (single instance) |
| Potassium iodide | 7681-11-0 | PNEC | 0.007 mg/kg | freshwater sediment | short-term (single instance) |

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection.

Skin protection



• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

• type of material

NBR (Nitrile rubber)

• material thickness

>0,11 mm

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: 6765

• breakthrough times of the glove material

>480 minutes (permeation: level 6)

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection



Respiratory protection necessary at: Aerosol or mist formation. P1 (filters at least 80 % of airborne particles, colour code: White).

Environmental exposure controls

Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|-----------------|-------------------|
| Physical state | liquid (fluid) |
| Colour | brown |
| Odour | odourless |
| Odour threshold | No data available |

Other physical and chemical parameters

| | |
|---|--|
| pH (value) | (neutral) |
| Melting point/freezing point | ~ 0 °C |
| Initial boiling point and boiling range | ~ 100 °C |
| Flash point | not determined |
| Evaporation rate | no data available |
| Flammability (solid, gas) | not relevant (fluid) |
| <u>Explosive limits</u> | |
| • lower explosion limit (LEL) | this information is not available |
| • upper explosion limit (UEL) | this information is not available |
| Explosion limits of dust clouds | not relevant |
| Vapour pressure | 23 hPa at 20 °C |
| Density | 1.021 g/cm ³ at 20 °C |
| Vapour density | This information is not available. |
| Bulk density | Not applicable |
| Relative density | Information on this property is not available. |

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

Solubility(ies)

Water solubility miscible in any proportion

Partition coefficient

n-octanol/water (log KOW) This information is not available.

Auto-ignition temperature Information on this property is not available.

Decomposition temperature no data available

Viscosity not determined

Explosive properties Shall not be classified as explosive

Oxidising properties none

9.2 Other information

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions

10.4 Conditions to avoid

Direct light irradiation.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Shall not be classified as acutely toxic.

• Acute toxicity of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|-------------------|-----------|-----------------------|-------------|
| Iodine | 7553-56-2 | oral | 1,500 mg/kg |
| Iodine | 7553-56-2 | dermal | 1,425 mg/kg |
| Iodine | 7553-56-2 | inhalation: dust/mist | 1.5 mg/l/4h |
| Potassium iodide | 7681-11-0 | oral | 2,779 mg/kg |
| Potassium iodide | 7681-11-0 | dermal | 2,000 mg/kg |

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant
May cause harm to breast-fed children

• Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

• Specific target organ toxicity - repeated exposure

May cause damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

• If swallowed

data are not available

• If in eyes

data are not available

• If inhaled

data are not available

• If on skin

data are not available

Other information

None

SECTION 12: Ecological information

12.1 Toxicity

acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|-------------------|-----------|----------|-----------|-------------------------------------|---------------|
| Iodine | 7553-56-2 | LC50 | 1.67 mg/l | rainbow trout (Oncorhynchus mykiss) | 96 h |
| Iodine | 7553-56-2 | ErC50 | 0.13 mg/l | Grünalge | 72 h |

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|-------------------|-----------|----------|------------|-------------------------------------|---------------|
| Potassium iodide | 7681-11-0 | LC50 | 3,780 mg/l | rainbow trout (Oncorhynchus mykiss) | 96 h |
| Potassium iodide | 7681-11-0 | EC50 | 7.5 mg/l | aquatic invertebrates | 48 h |

Aquatic toxicity (chronic)

Aquatic toxicity (chronic) of components of the mixture

| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
|-------------------|-----------|----------|----------|----------------|---------------|
| Iodine | 7553-56-2 | EC50 | 280 mg/l | microorganisms | 3 h |

12.2 Process of degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

| Name of substance | CAS No | BCF | Log KOW | BOD5/COD |
|-------------------|-----------|-----|--------------|----------|
| Iodine | 7553-56-2 | | 2.49 (20 °C) | |

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods



This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains.

Sewage disposal-relevant information

Do not empty into drains.

Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

SECTION 14: Transport information

- 14.1** UN number (not subject to transport regulations)
- 14.2** UN proper shipping name not relevant
- 14.3** Transport hazard class(es) not relevant
Class -
- 14.4** Packing group not relevant not assigned to a packing group
- 14.5** Environmental hazards NONE (non-environmentally hazardous acc. to the dangerous goods regulations)
- 14.6** Special precautions for user
There is no additional information.
- 14.7** Transport in bulk according to Annex II of MARPOL and the IBC Code
The cargo is not intended to be carried in bulk.
- 14.8** Information for each of the UN Model Regulations
- **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)**
Not subject to ADR, RID and ADN.
 - **International Maritime Dangerous Goods Code (IMDG)**
Not subject to IMDG.
 - **International Civil Aviation Organization (ICAO-IATA/DGR)**
Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

National inventories

| Country | National inventories | Status |
|---------|----------------------|--------------------------------|
| AU | AICS | all ingredients are listed |
| CA | DSL | all ingredients are listed |
| CN | IECSC | all ingredients are listed |
| EU | ECSI | all ingredients are listed |
| EU | REACH Reg. | all ingredients are listed |
| JP | CSCL-ENCS | not all ingredients are listed |
| KR | KECI | all ingredients are listed |

Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

| Country | National inventories | Status |
|---------|----------------------|--------------------------------|
| MX | INSQ | all ingredients are listed |
| NZ | NZIoC | all ingredients are listed |
| PH | PICCS | all ingredients are listed |
| TR | CICR | not all ingredients are listed |
| TW | TCSI | all ingredients are listed |
| US | TSCA | all ingredients are listed |

Legend

| | |
|------------|---|
| AICS | Australian Inventory of Chemical Substances |
| CICR | Chemical Inventory and Control Regulation |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS) |
| DSL | Domestic Substances List (DSL) |
| ECSI | EC Substance Inventory (EINECS, ELINCS, NLP) |
| IECSC | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ | National Inventory of Chemical Substances |
| KECI | Korea Existing Chemicals Inventory |
| NZIoC | New Zealand Inventory of Chemicals |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances |
| REACH Reg. | REACH registered substances |
| TCSI | Taiwan Chemical Substance Inventory |
| TSCA | Toxic Substance Control Act |

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|---------------|---|
| Acute Tox. | acute toxicity |
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Acute | hazardous to the aquatic environment - acute hazard |
| ATE | Acute Toxicity Estimate |
| BCF | bioconcentration factor |
| BOD | Biochemical Oxygen Demand |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CMR | Carcinogenic, Mutagenic or toxic for Reproduction |
| COD | chemical oxygen demand |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

| Abbr. | Descriptions of used abbreviations |
|-------------|---|
| ELINCS | European List of Notified Chemical Substances |
| Eye Dam. | seriously damaging to the eye |
| Eye Irrit. | irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| index No | the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| log KOW | n-octanol/water |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | corrosive to skin |
| Skin Irrit. | irritant to skin |
| STEL | short-term exposure limit |
| STOT RE | specific target organ toxicity - repeated exposure |
| STOT SE | specific target organ toxicity - single exposure |
| TWA | time-weighted average |
| vPvB | very Persistent and very Bioaccumulative |
| WES | Safe Work Australia: Workplace exposure standards for airborne conatminants |

Key literature references and sources for data

- UN Recommendations on the Transport of Dangerous Good
- Dangerous Goods Regulations (DGR) for the air transport (IATA)
- International Maritime Dangerous Goods Code (IMDG)

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Safety data sheet

Safe Work Australia - Code of Practice



Iodine solution 0,05 mol I₂/I - 0,1 N volumetric standard solution, Reag. Ph.Eur.

article number: **6765**

| Code | Text |
|------|--|
| H302 | harmful if swallowed |
| H312 | harmful in contact with skin |
| H315 | causes skin irritation |
| H319 | causes serious eye irritation |
| H332 | harmful if inhaled |
| H335 | may cause respiratory irritation |
| H362 | may cause harm to breast-fed children |
| H372 | causes damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed) |
| H373 | may cause damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed) |
| H400 | very toxic to aquatic life |

Disclaimer

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.