



Sicherheitsdatenblatt / Material Safety Data Sheet

Produktidentifikation Product Identification

| | | | | | |
|--------------------|--|--|------------|-----|------------|
| Produkt Product | 21 245 | Calcium sulfate Dihydrate precipitated | purum p.a. | | |
| Formel Formula | $\text{CaSO}_4 \cdot 2 \text{H}_2\text{O}$ | Molekulargewicht Molecular weight | 172.10 | CAS | 10101-41-4 |

Physikalische Daten Physical data

| | | | |
|--|---|--|---|
| Aggregatzustand Physical state (20°C) | <input checked="" type="checkbox"/> fest solid | <input type="checkbox"/> flüssig liquid | <input type="checkbox"/> gasförmig gaseous |
| Schmelzpunkt Melting point | waterfree: 1'450° | Siedepunkt Boiling point | Dichte Specific gravity |
| Dampfdruck Vapor pressure | Löslichkeit Solubility | slightly sol. in water (0.24 %) practically insol. in most organic solvents | |

Produkteigenschaften/Reaktivität Product character/Reactivity

| | | | |
|---------------------------|---|--|---|
| Produkt ist Product is | <input checked="" type="checkbox"/> stabil stable | <input type="checkbox"/> instabil unstable | <input type="checkbox"/> brennbar flammable |
| | <input type="checkbox"/> hygroskopisch hygroscopic | <input type="checkbox"/> lichtempfindlich light-sensitive | <input type="checkbox"/> luftempfindlich air-sensitive |
| | <input type="checkbox"/> polymerisierbar polymerisable | <input type="checkbox"/> korrosiv corrosive | |
| Reaktivität Reactivity | At $\sim 100^\circ$: \longrightarrow $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$ (dried gypsum) $\sim 650^\circ$: \longrightarrow CaSO_4 (dead-burned gypsum) $> 1000^\circ$: \longrightarrow $\text{CaO} + \text{SO}_3$ | | |

Brand- und Explosionsschutz Fire and explosion hazard data

| | | |
|---|---|----------------|
| Flammpunkt Flash point (open cup) | Zündtemperatur Ignition temperature | |
| Explosionsgrenzen in Volumenprozent Explosion limits % by volume | untere lower | obere upper |
| Löschmittel Extinguishing media | <input type="checkbox"/> CO_2 <input type="checkbox"/> Schaum Foam <input type="checkbox"/> Wasser Water <input type="checkbox"/> Trockenlöschmittel Dry chemicals <input type="checkbox"/> sonstige others | |
| The choice of firefighting medium is governed by other | | |

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| | | | |
|---------------------------|--|--|---|
| LD50: | Non toxic | Mak-Wert TLV | CE-Gkl. frei |
| Produkt ist Product is | <input type="checkbox"/> ätzend caustic | <input type="checkbox"/> tränenreizend lachrymatory | <input type="checkbox"/> hautreizend skin irritant |
| | <input type="checkbox"/> carcinogen | <input type="checkbox"/> mutagen | <input type="checkbox"/> teratogen |

**Lagerung und Handhabung
Storage and handling**

| | |
|--|--|
| Lagerungsvorschriften Storage conditions | Keep container well closed. |
| Schutzmassnahmen Preventatives | <input checked="" type="checkbox"/> Kapelle Ventilation <input checked="" type="checkbox"/> Handschuhe Gloves <input type="checkbox"/> Atemschutz Mask <input checked="" type="checkbox"/> Augenschutz Safety glasses <input type="checkbox"/> Schutzkleider Protective clothes <input type="checkbox"/> Besonderes Specials |
| Massnahmen nach Verschütten und Auslaufen spill or leak procedures | Collect in suitable receptacles. Wash remainder away with copious quantities of water and detergent. |

**Notfall- und Erste-Hilfe-Massnahmen
Emergency and first aid procedures**

After contact with skin, wash with plenty of water and soap.

In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice, if necessary.

**Entsorgung
Disposal**

Remove to an industrial tip.

Small amounts may be washed down the drain with excess water.

**Besondere Angaben
Special remarks**

845 St

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse und stellen keine Zusicherung von Eigenschaften dar.
The information herein is believed to be correct as of the date hereof, but is provided without warranty of any kind.