

Product name:
 MIGHTY 21PSD

CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.

1. Identification of the substance or mixture and of the supplier

Product name:
 MIGHTY 21PSD

Product No.: B0033716

Recommended use and restriction on use

Recommended use: Nonionic surfactant
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company Name: Kao Chemicals GmbH
 Address: Kupferstrasse 1, D-46446 Emmerich, Germany
 Telephone: +49-2822-7110
 Fax: +81-3-5630-7889
 Contact division: -
 E-mail: -

Emergency telephone number: +49-2822-7110

2. Hazard(s) identification

Emergency Overview: Pale yellow Powder. Odor: Characteristic. Hazard statements: Not classified Notes to physician: Get medical attention if symptoms occur.

GHS classification

Not classified

Label Elements

The substance or product does not require a hazard warning label in accordance with the GHS directive.

Pictograms: No symbol

Signal Word: No signal word

Hazard Statement: Not applicable

Prevention: Wash thoroughly after handling. If needed, use personal protective equipment as required.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.

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Call a POISON CENTER/doctor if you feel unwell.

Storage: Store in a well-ventilated place.

Disposal: -

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

Mixtures

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%) |
|---------------------|--------------------------|--------------|------------------------|
| Nonionic surfactant | - | Trade Secret | |

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin Contact: Gently wash with plenty of soap and water.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

Personal Protection for First-aid Responders: No data available.

Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Get medical attention if symptoms occur.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, powder

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Unsuitable extinguishing media: No data available.

Special hazards arising from the substance or mixture: No data available.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.

Special protective equipment for fire-fighters: Use goggles in combination with dust mask, and other protections as appropriate to situation.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use mask, goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation. Treat from upwind position.

Methods and material for containment and cleaning up: Prevent dispersion of dust. Sweep or vacuum by dust-explosion-proof type cleaner. Prevent dispersion of dust.

Environmental Precautions: Do not discharge into the drains, surface waters or ground water directly.

Prevention of secondary hazards: No data available.

7. Handling and storage

Handling

Technical measures: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Local/Total ventilation: Use local exhaust ventilation, in case of generation of dust.

Safe handling advice: Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required. Avoid inhalation of fine dust . Prevent generation of dust. This material may cause risk of dust explosion.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed. Store in a well-ventilated place.

Safe packaging materials: No data available.

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8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

ACGIH (TLV) : 10 mg/m³ TWA (inhalable particles, recommended);
 3 mg/m³ TWA(respirable particles, recommended)
 (Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))
 OSHA (PEL) : 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
 (Particulates not otherwise regulated)

Appropriate Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation, in case of generation of dust. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use an adequate ventilation.

Individual protection measures, such as personal protective equipment

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|----------------------------------|--|
| Eye/face protection: | Safety glasses with side shield(Safety goggles or Face shield) |
| Hand Protection: | Material: Rubber gloves |
| Skin and Body Protection: | Full-body suit |
| Respiratory Protection: | Use dust mask, as appropriate to situation. |
| Hygiene measures: | No data available. |

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

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|--|--------------------|
| Physical state: | Solid |
| Form: | Powder |
| Color: | Pale yellow |
| Odor: | Characteristic |
| Odor Threshold: | No data available. |
| Melting Point: | No data available. |
| Boiling Point: | No data available. |
| Flammability: | No data available. |
| Upper/lower limit on flammability or explosive limits | |
| Explosive limit - upper: | No data available. |
| Explosive limit - lower: | No data available. |
| Flash Point: | No data available. |
| Auto-ignition temperature: | No data available. |

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| | |
|---|-----------------------------|
| Decomposition Temperature: | No data available. |
| pH: | 6 - 7 (5% aqueous solution) |
| Viscosity | |
| Dynamic viscosity: | No data available. |
| Kinematic viscosity: | No data available. |
| Flow Time: | No data available. |
| Solubility(ies) | |
| Solubility in Water: | Soluble |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Vapor pressure: | No data available. |
| Relative density: | No data available. |
| Density: | 0.575 g/ml at 25 °C/77 °F |
| Relative Vapor density: | No data available. |
| Particle characteristics | |
| Particle Size: | No data available. |
| Particle Size Distribution: | No data available. |

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| 10. Stability and reactivity |
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|--|--------------------|
| Reactivity: | No data available. |
| Chemical Stability: | Stable in general. |
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | No data available. |
| Incompatible Materials: | No data available. |
| Hazardous Decomposition Products: | No data available. |

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| 11. Toxicological information |
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Acute toxicity (list all possible routes of exposure)

| | |
|-----------------|---|
| Oral | |
| Product: | Classification not possible due to insufficient data. |
| Dermal | |
| Product: | Classification not possible due to insufficient data. |

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Inhalation

Product: Dust and mist: Classification not possible due to insufficient data.
 Vapour: No data available.
 Not classified based on available data of component(s).

Skin Corrosion/Irritation

Product: Classification not possible due to insufficient data.

Components:

Nonionic surfactant Category 3 (34)

Serious Eye Damage/Eye Irritation

Product: Classification not possible due to insufficient data.

Components:

Nonionic surfactant Category 2B (34)

Respiratory or Skin Sensitization

Product: Skin: Classification not possible due to insufficient data.
 Respiratory: Classification not possible due to insufficient data.

Carcinogenicity

Product: Classification not possible due to insufficient data.

Germ Cell Mutagenicity

In vitro

Product: Classification not possible due to insufficient data.

In vivo

Product: Classification not possible due to insufficient data.

Reproductive toxicity

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Single Exposure

Product: Classification not possible due to insufficient data.

Specific Target Organ Toxicity - Repeated Exposure

Product: Classification not possible due to insufficient data.

Aspiration Hazard

Product: No data available.

Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: Classification not possible due to insufficient data.

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Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Toxicity to Aquatic Plants

Product: No data available.

Chronic hazards to the aquatic environment

Fish

Product: Classification not possible due to insufficient data.

Aquatic Invertebrates

Product: Classification not possible due to insufficient data.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in soil:

No data available.

Other adverse effects:

No data available.

13. Disposal considerations

Disposal methods: Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. This product may cause risk of dust explosion.

Contaminated Packaging: No data available.

14. Transport information

IMDG

Not Regulated.

IATA

Not Regulated.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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National Regulations

Domestic Standard: In compliance with domestic law.

15. National and international regulatory information

Should comply with local regulations in respect of this product.

China. Catalog of Hazardous Chemicals
 Not Regulated

China. Precursor Chemicals (Decree No. 445 of the PRC on Regulation for Administration of Precursor Chemicals, Appendix: Categories 1-3)
 Not Regulated

China: CWC. Controlled Chemicals List (Regulations on the Administration of Controlled Chemicals, Decree No. 190, Dec. 27, 1995, as amended)
 Not Regulated

China. Explosive Precursor Hazardous Chemicals (Ministry of Public Safety, 2011 version)
 Not Regulated

Inventory Status:

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|---|--|
| US TSCA Inventory: | On or in compliance with the inventory |
| Canada DSL Inventory List: | On or in compliance with the inventory |
| Australia AICS: | On or in compliance with the inventory |
| Korea Existing Chemicals Inv. (KECI): | Contact us for information |
| Japan (ENCS) List: | On or in compliance with the inventory |
| Japan ISHL Listing: | On or in compliance with the inventory |
| Philippines PICCS: | Not in compliance with the inventory |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory |
| REACH (EU): | Contact us for information |
| Taiwan Chemical Substance Inventory: | On or in compliance with the inventory |

16. Other Information

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|-----------------------------|--------------------|
| Version #: | 1.0 |
| Revision Date: | - |
| Issue Date: | 06.09.2023 |
| Further Information: | No data available. |
| Revision Information | Not relevant. |
| Training information | No data available. |

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Disclaimer:

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

Reference:

(34): Safety data sheet of the raw material