





Product name: Meropenem trihydrate (Contd. of page 1) Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available. 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Sulfur oxides (SOx) Nitrogen oxides (NOx) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow product to reach sewage system or any water course. Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Refrigerate Information about storage in one common storage facility: Protect from heat. Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Refrigerate Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. **Control parameters** Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measures General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Powder Off-white to pale yellow Not determined Color: Odor: Odor threshold: Not determined pH-value: Not applicable. Change in condition Not determined Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: 627 °C (1161 °F, Not determined > 110 °C (> 230 °F) Not determined. Flash point: Flammability (solid, gaseous)

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Product name: Meropenem trihydrate		
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Ignition temperature: Decomposition temperature:	Not determined Not determined	
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits:	Not determined.	
Lower: Upper:	Not determined Not determined	
Vapor pressure:	Not applicable.	
Density: Relative density	Not determined Not determined.	
Vapor density Evaporation rate	Not applicable. Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water)		
Viscosity: dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
10 Stability and reactivity Reactivity No information known.		
Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications.		
Possibility of nazardous reactions Reacts with strong oxidizing agents		
Conditions to avoid No further relevant information available.		
Oxidizing agents Heat		
Hazardous decomposition products: Carbon monoxide and carbon dioxide		
Sulfur oxides (SOx) Nitrogen oxides		
11 Toxicological information		
Information on toxicological effects		
Acute toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance. LD/LC50 values that are relevant for classification: No data		
Skin irritation or corrosion: Causes skin irritation.		
Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known.		
Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.		
Reproductive foxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known.		
Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known.		
Subacute to chronic toxicity: No effect	ets known.	
Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.		
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant information available.		
Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available.		
Mobility in soil No further relevant information available. Additional ecological information:		
General notes: Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.		
Avoid transfer into the environment. Results of PBT and vPvB assessment		
PBT: Not applicable.		
vPvB: Not applicable. Other adverse effects No further releva	ant information available.	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings:		
Recommendation: Disposal must be m	nade according to official regulations.	
14 Transport information UN-Number		
DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name DOT, ADN, IMDG, IATA	Not applicable	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA Class	Not applicable	
Packing group DOT, IMDG, IATA		
DOT, IMDG, IATA Environmental hazards:	Not applicable Not applicable.	
Special precautions for user	Not applicable.	
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