

Charisma/Charisma

Material Safety Data Sheet acc. to ISO/DIS 11014

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Reviewed on

1 Identification of substance:

- Product details:

- Trade name: Charisma/Charisma F

- Manufacturer/Supplier:

Heraeus Kulzer GmbH, KULZER:, D-61273 Wehrheim, GERMANY

- Information department:

Safety department
959-287

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- Emergency information: Call +49 30 19240 (24 hours).

2 Composition/Data on components:

- Chemical characterization

- Description: Composition based on methacrylates

Dangerous components:

Void

3 Hazards identification

- Hazard description: not applicable

- Information pertaining to particular dangers for man and environment

not applicable

- Classification system

The classification was made according to the latest editions of the EU-

lists, and expanded upon from company and literature data.

- NFPA ratings for (scale 0-4)
Health = 1
Fire = 1
Reactivity = 1

4 First aid measures

- General information No special measures required.
- After skin contact Generally the product does not irritate the skin.
- After eye contact
Rinse opened eye for several minutes under running water.
- After swallowing Induce vomiting and seek advice of physician.

5 Fire fighting measures

- Suitable extinguishing agents
Use fire fighting measures that suit the environment.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: Not required.
- Measures for environmental protection: No special measures required.
- Measures for cleaning/collecting:
Absorb with liquid binding material (diatomite, universal binders, sawdust, for small amounts tissues).
- Additional information: No dangerous substances are released.

7 Handling and storage

- Handling
- Information for safe handling: No special measures required.
- Information about protection against explosions and fires:
No special measures required.
- Storage
- Requirements to be met by storerooms and receptacles:
No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
Keep cool, if possible (not above 25 °C).
- Storage class
- Class according to regulation on flammable liquids: Void

8 Exposure controls and personal protection

- Additional information about design of technical systems:
No further data; see item 7.

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:
The lists that were valid during the creation were used as basis.

- Personal protective equipment
- General protective and hygienic measures
The usual precautionary measures for handling chemicals should be followed.
- Breathing equipment: Not required.
- Protection of hands: Not required.
- Eye protection: Not absolutely necessary.
- Body protection: Light weight protective clothing

9 Physical and chemical properties:

- Form: Pasty
- Color: According to product specification
- Odor: Odorless
- Value/Range Unit Method
- Change in condition
- Melting point/Melting range: undetermined
- Boiling point/Boiling range: undetermined
- Flash point: 151 ° C
- Auto igniting: Product is not selfigniting.
- Danger of explosion:
Product does not present an explosion hazard.
- Vapor pressure: at 20 ° C 1.0 hPa
- Density: at 20 ° C 1.900 g/cm³
- Solubility in / Miscibility with
- Water: Not miscible or difficult to mix
- pH-value: at 20 ° C 0
- Solvent content:
- Organic solvents: 7.0 %
- Solids content: 78.8 %

10 Stability and reactivity
- Dangerous reactions No dangerous reactions known
- Dangerous products of decomposition: none
- Additional information:
Product might polymerize after considerable exceeding of
recommended
storage time or temperature.

11 Toxicological information
- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization:
Sensitizing effect by skin contact is possible with prolonged
exposure.
- Additional toxicological information:
The product is not subject to classification according to the
calculation method of the General EU Classification Guidelines for
Preparations as issued in the latest version:
When used and handled according to specifications, the product does
not
have any harmful effects according to our experience and the
information provided to us.

12 Ecological information:
- General notes:
Water hazard class 1 (German Regulation) (Self-assessment):
slightly
hazardous for water.
Do not allow undiluted product or large quantities of it to reach
ground water, water course or sewage system.

13 Disposal considerations
- Product:
- Recommendation
Small quantities can be polymerized by light and the cured solid
material can be disposed of with the regular garbage. Larger
quantities
must be disposed of following the regulations of the local
authorities.
- Uncleaned packagings:

- Recommendation:
Disposal must be made according to official regulations.
- DOT regulations:
- Hazard class: -
- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

15 Regulations

- Markings according to EU guidelines:
The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV). Observe the general safety regulations when handling chemicals
- National regulations
- Classification according to VbF: Void
- Technical instructions (air):
Class Share in %
NK 7.0
- Water hazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 16 Other information:
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
- Department issuing MSDS: Safety department
 - Contact: Dr. Tuchscherer Tel.: +49 6081 959-287

 [To MSDS Page](#)

 [To Home Page](#)