

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.08.2022

Version number 1.1 (replaces version 1.0)

Revision: 03.08.2022

## 1 Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: MUCKI Finger Paint Squeaky Colors 150 ml Set of 4
- · Article number: 2317
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available. • Application of the substance / the mixture
- Finger paint Paint for children and for creative leisure activities.
- 1.3 Details of the supplier of the safety data sheet
  Manufacturer/Supplier:
  C. KREUL GmbH & Co. KG
  Carl-Kreul-Straße 2
  D-91352 HALLERNDORF
  DEUTSCHLAND
  Tel. + 49 (0)9545 / 925 0
  Fax + 49 (0)9545 / 925 511
  E-Mail: info@c-kreul.de
- Further information obtainable from: Product Safety Department: Treiber, b.treiber@c-kreul.de
  1.4 Emergency telephone number: Telephone + 49 (0) 9545/925 - 0 Fax + 49 (0) 9545/925 - 511
- (Monday Thursday 8.00 17.00, Friday 8.00 15.00)

#### 2 Hazards identification

· 2.1 Classification of the substance or mixture

- · Classification according to Regulation (EC) No 1272/2008
- The product is not classified, according to the GB CLP regulation.

· 2.2 Label elements

- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- · Signal word Void
- Hazard statements Void
- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

3.2 Mixtures

- · Description: Mixture of substances listed below with nonhazardous additions.
- · Dangerous components

Pargeroue compensation					
CAS: 56-81-5	glycerol	substance with a Community workplace exposure limit	5-<10%		
EINECS: 200-289-5					
• Additional information: For the wording of the listed bazard phrases refer to section 16					

### 4 First aid measures

- 4.1 Description of first aid measures
- · General information: No special measures required.
- After inhalation: Not applicable.
- After skin contact:
- Wash with water and acidic soap.
- Generally the product does not irritate the skin. After eye contact:
- Remove contact lenses.
- Rinse opened eye for several minutes under running water.

(Contd. on page 2)

## Safety data sheet according to 1907/2006/EC, Article 31

Version number 1.1 (replaces version 1.0)

Printing date 03.08.2022

Revision: 03.08.2022

(Contd. of page 1)

#### · After swallowing:

If symptoms persist consult doctor.

- Rinse out mouth and then drink plenty of water.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

#### **5** Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: No special measures required.
- Additional information Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### 6 Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- · 6.2 Environmental precautions:
- Dilute with plenty of water.
- Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Dispose of the material collected according to regulations.
- 6.4 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

- 7.1 Precautions for safe handling No special precautions are necessary if used correctly.
- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · 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:
- Protect from frost
- Protect from heat and direct sunlight.
- Storage class: 12
- · 7.3 Specific end use(s) See chapter 1.2.

### 8 Exposure controls/personal protection

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
- 56-81-5 glycerol
- WEL Long-term value: 10 mg/m<sup>3</sup>
- · Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- $\cdot$  Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Do not eat, drink, smoke or sniff while working.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- · Respiratory protection: Not required.
- Hand protection Not required.
- · Material of gloves -
- · Penetration time of glove material -
- Eye/face protection Goggles recommended during refilling

(Contd. on page 3)

GB

Version number 1.1 (replaces version 1.0)

Printing date 03.08.2022

Revision: 03.08.2022

(Contd. of page 2)

9.1 Information on basic physical and chemical properties         General Information         Physical state       Fluid         Colour:       Characteristic         Odour threshold:       Not determined.         Molting point from and point and boiling range       100 °C (7732-18-5 water, distilled, conductivity or of similar purity)         Flarmability       Not determined.         - Lower and upper explosion limit       Not determined.         - Upper:       Not determined.         - Decomposition temperature:       Not determined.         - PH       Not determined.         - Upper:       Not determined.         - Upper:       Not determined.         - Viscosity:       Not determined.         - Wiscosity:       Not determined.         - Viscosity:       Not determined.         - Solubility       Not determined.         - Solubility       Not determined.         - Solubility       Not determined.         - Solubility       Not determined.         - PH       Not determined.         - Solubility       Not determined.         - Solubility       Not determined.         - Solubility       Not determined.         - Paracty andor relative density       Not determined. </th <th></th> <th></th>						
General Information       Fluid         Physical state       Fluid         Colour:       According to product specification         Odour threshold:       Not determined.         Melting point freezing point:       Undetermined.         Bolling point or initial bolling point and bolling range       100 °C (7732-18-5 water, distilled, conductivity or of similar purity)         Icower and upper explosion limit       Undetermined.         Lower and upper explosion limit       Not determined.         Upper:       Not determined.         Pianmability       Not determined.         Upper:       Not determined.         PH       Not determined.         Viscosity:       Not determined.         Viscosity:       Not determined.         Solubility       Not determined.         Pyrain rescue at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Not determined.         Vapour pressure at 20 °C:       1.3-1.4 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         Vapour pressure at 20 °C:       1.3-1.4 g/cm³         Relative density       Not determined.         Vapourance:       Product is not selfigniti	9 Physical and chemical properties					
General Information       Fluid         Physical state       Fluid         Colour:       According to product specification         Odour threshold:       Not determined.         Melting point freezing point:       Undetermined.         Bolling point or initial bolling point and bolling range       100 °C (7732-18-5 water, distilled, conductivity or of similar purity)         Icower and upper explosion limit       Undetermined.         Lower and upper explosion limit       Not determined.         Upper:       Not determined.         Pianmability       Not determined.         Upper:       Not determined.         PH       Not determined.         Viscosity:       Not determined.         Viscosity:       Not determined.         Solubility       Not determined.         Pyrain rescue at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Not determined.         Vapour pressure at 20 °C:       1.3-1.4 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         Vapour pressure at 20 °C:       1.3-1.4 g/cm³         Relative density       Not determined.         Vapourance:       Product is not selfigniti	• 9.1 Information on basic physical and chemical properties					
Colour:       According to product specification         Odour:       Characteristic         Not dur threshold:       Not determined.         Bolling point or initial bolling point and bolling range       100 °C (7732-18-5 water, distilled, conductivity or of similal purity)         Flammability       Not apticable.         Lower and upper explosion limit       Not determined.         Lower:       Not determined.         'Upper:       Not determined.         'Viscosity:       Not determined.         'Viscosity:       Not determined.         'Viscosity:       Fully miscible.         'Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similal purity)         'Density and/or relative density       Not determined.         'Dynamic:       Sa Ubin'         'Vapour density       Not determined.         'Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similal purity)         'Density at 20 °C:       13-14 g(cm³         'Relative density       Not determined.         'Apperance:       Product is not set						
Ordour:       Characteristic         Odour threshold:       Not determined.         Welling point/freezing point:       Undetermined.         Boilling point or initial boiling point and boiling range       100 °C (7732-18-5 water, distilled, conductivity or of similial putty)         Flammability       Not adetermined.         Lower and upper explosion limit       Not determined.         Lower:       Not determined.         Jupper:       Not determined.         Jupper:       Not determined.         Platish point:       >100 °C         Decomposition temperature:       Not determined.         Viscosity:       Not determined.         Water:       Fully miscible.         Viscosity:       Not determined.         water:       Fully miscible.         Vapour pressure at 20 °C:       23 hPa (772-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Not determined.         Umportant information       Appearance:         Form:       Fluid         Important information on protection of health and environment, and on safety.         Auto-ignitio temperature:       Product is not selfigniting.         Explosives properties:       Product is not selfigniting.         Flammable gases       Vo	· Physical state	Fluid				
Odour         Characteristic           Odour threshold:         Not determined.           Metting point or initial boiling point and boiling rang Boiling point or initial boiling point and boiling rang purity)         Undetermined.           * Flammability         Not applicable.           - Lower and upper explosion limit         Not applicable.           - Lower         Not applicable.           - Upper:         Not determined.           - Wator:         Not determined.           - Wator:         Not determined.           - Solubility         Not determined.           - Solubility         Not determined.           - Vapour pressure at 20 °C:         23 h72 (772-18-5 water, distilled, conductivity or of similar purity)           - Density and/or relative density         Not determined.           - Density and/or relative density         Not determined.           - Apparance:         Fru	· Colour:	According to product specification				
Melting point/freezing point:       Undetermined.         Boiling point or initial boiling point and boiling range       100 °C (7732-18-5 water, distilled, conductivity or of similar purity)         Flammability       Not applicable.         Lower and upper explosion limit       Not determined.         Jupper:       Not determined.         Decomposition temperature:       Not determined.         pit       Not determined.         yiscosity:       Not determined.         Viscosity:       Not determined.         Solubility       Not determined.         water:       Yange determined.         Solubility       Not determined.         water:       Fully miscible.         Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Not determined.         Vapour relative density       Not detet	· Odour:					
Melting point/freezing point:       Undetermined.         Boiling point or initial boiling point and boiling range       100 °C (7732-18-5 water, distilled, conductivity or of similar purity)         Flammability       Not applicable.         Lower and upper explosion limit       Not determined.         Jupper:       Not determined.         Decomposition temperature:       Not determined.         pit       Not determined.         yiscosity:       Not determined.         Viscosity:       Not determined.         Solubility       Not determined.         water:       Yange determined.         Solubility       Not determined.         water:       Fully miscible.         Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Not determined.         Vapour relative density       Not detet	· Odour threshold:					
Boiling point or initial boiling point and boiling range       100 °C (732-18-5 water, distilled, conductivity or of similar purity)         Flammability       Not applicable.         Lower and upper explosion limit       Not determined.         'Upper:       Not determined.         'Upper:       Not determined.         'pH       Not determined.         'pH       Not determined.         'Viscosity:       Not determined.         'Sicosity:       Not determined.         'Sicosity:       Not determined.         'Sicosity:       Not determined.         'Viscosity:       Not determined.         'Viscosity:       Not determined.         'Viscosity:       Vatetermined.         'Vapur pressure at 20 °C:       23 hPa (772-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Fully miscible.         'Persity and/or relative density       Not determined.         'Sapearance:       1.3-1.4 g/cm³         'Papearance:       Fluid         'Sapearance:       Fluid         'Important information on protection of health and environment, and on safety.         'Auto-ignition temperature:       Product is not setifigniting.         'Explosive properties:       Product does not present an explosio						
Flammability       Not applicable.         Lower and upper explosion limit       Not applicable.         Lower:       Not determined.         'Upper:       Not determined.         'Upper:       Not determined.         'Pissosity:       Not determined.         'Uscosity:       Not determined.         'Uscosity:       Not determined.         'Uscosity:       Not determined.         'Stability       Not determined.         'Stability       Not determined.         'Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         'Density and/or relative density       Not determined.         'Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         'Density at 20 °C:       1.3-1.4 g/cm³         'Allev density       Not determined.         'Vapour density       Not determined.         'Vapour density       Not determined.         'Vapour density       Not determined.         'Solubility       Permined.         'Parotratinformation on protection of health and environment, and on safety.       Product is not selfigniting.         'Explosive properties:       Product dees not present an explosion hazard.         'Information rate						
Flammability       Not ápplicable.         Lower and upper explosion limit       Not determined.         Upper:       Not determined.         Flash point:       >100 °C         Decomposition temperature:       Not determined.         pH       Not determined.         Viscosity:       Not determined.         Viscosity:       Not determined.         Solubility       Not determined.         'Water:       Fully miscible.         'Partition coefficient n-octanol/water (log value)       Not determined.         'Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density	3 F33 F33-					
Lower and upper explosion limit Lower: Not determined. Upper: Not determined. Upper: Not determined. Upper: Not determined. Flash point: Not determined. Hash point: Not determined. Hash point: Not determined. Hash point: Not determined. Uscosity: Kinematic viscosity Not determined. Solubility Water: Fully miscible. Partition coefficient n-octanol/water (log value) Not determined. Uscosity: Water: Fully miscible. Partition coefficient n-octanol/water (log value) Not determined. Density at 20 °C: 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity) Density at 20 °C: 1.3-1.4 g/cm <sup>3</sup> Relative density Not determined. Solubility Not determined. Solubility Not determined. Uscosity: Not determined. Solubility Solution on protection of health and environment, and on safety. Solution temporature: Product is not selfigniting. Solubis properties: Product does not present an explosion hazard. Solubility Solution temporature: Void Solid-Solid Solution Solut	· Flammability					
Lower:       Not determined.         Upper:       Not determined.         Flash point:       > 100 °C         Decomposition temperature:       Not determined.         pH       Not determined.         Viscosity:       Not determined.         Solubility       Not determined.         Partition coefficient n-octanol/water (log value)       Not determined.         23 hPa (7732-18-5 water, distilled, conductivity or of similar         Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar         Partition coefficient n-octanol/water (log value)       Not determined.         * Vapour pressure at 20 °C:       1.3-1.4 g/cm²         Partition comformation						
Upper:Not determined.Flash point:>100 °CDecomposition temperature:Not determined.pHNot determined.yIscosity:		Not determined.				
Fish point:       >100 °C         Decomposition temperature:       Not determined.         · pH       Not determined.         · Viscosity:						
Decomposition temperature:       Not determined.         'pH       Not determined.         'Viscosity:       Not determined.         Kinematic viscosity       Not determined.         Solubility       Not determined.         'secomposition coefficient n-octanol/water (log value)       Not determined.         'Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Density at 20 °C:         Density at 20 °C:       1.3-1.4 g/cm²         Relative density       Not determined.         'Vapour density       Not determined.         'Papearance:       Form:         Form:       Product is not selfigniting.         'Explosive properties:       Product does not present an explosion hazard.         'Change in condition       Void         'Information with regard to physical hazard classes       Void         'Explosives       Void         'Salosies       Void         Gases under pressure						
• pH       Not determined.         • Viscosity:       Not determined.         • Kinematic viscosity       Not determined.         • Dynamic:       Not determined.         • Solubility       Fully miscible.         • water:       Fully miscible.         • Partition coefficient n-octanol/water (log value)       Not determined.         • Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         • Density and/or relative density       Not determined.         • Density at 20 °C:       1.3–1.4 g/cm³         • Relative density       Not determined.         • Vapour density       Not determined.         • Appearance:       Form:         • Flormation       Fluid         • Important information on protection of health and environment, and on safety.       Product does not present an explosion hazard.         • Change in condition       Explosive properties:       Product does not present an explosion hazard.         • Information with regard to physical hazard classes       Void         • Auto-ignition gases       Void         • Gases under pressure       Void         • Gases under pressure       Void         • Flammable ilquids       Void         • Pyrophoric solds       Void						
· Viscosity:       Not determined.         · Vinematic viscosity       Not determined.         · Solubility       · Value intervision coefficient n-octanol/water (log value)       Not determined.         · Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         · Density and/or relative density       · Vapour pressure at 20 °C:       1.3-1.4 g/cm³         · Density at 20 °C:       1.3-1.4 g/cm³         · Relative density       Not determined.         · Vapour density       Product is not selfigniting.         · Explosive properties:       Product does not present an explosion hazard.         · Change in condition       ·         · Information with regard to physical hazard classes       Void         · Flammable gases       Void         · Flammable gases       Void         · Flammable liguids       Void						
Kinematic viscosity       Not determined.         Dynamic:       Not determined.         Solubility       Fully miscible.         water:       Fully miscible.         Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       1.3–1.4 g/cm³         Pensity at 20 °C:       1.3–1.4 g/cm³         Selative density       Not determined.         Vapour density       Not determined.         'Vapour density       Not determined.         * Appearance:       Fluid         Important information on protection of health and environment, and on safety.       Product is not selfigniting.         * Auto-ignition temperature:       Product does not present an explosion hazard.         Change in condition       Explosives         * Explosive properties:       Void         * Information with regard to physical hazard classes       Void         * Flammable gases       Void         * Gases under pressure       Void         * Flammable liquids       Void         * Flammable solids       Void         * Pyrophoric solids       Void         * Pyrophoric solids       Void	•					
Dynamic:       Not determined.         Solubility       Fully miscible.         Water:       Fully miscible.         Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       1.3–1.4 g/cm³         Bensity at 20 °C:       1.3–1.4 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         Vapour density       Not determined.         * Vapour density       Not determined.         * Appearance:       Fluid         * Form:       Fluid         Important information on protection of health and environment, and on safety.       Product does not present an explosion hazard.         • Auto-lignition temperature:       Product does not present an explosion hazard.         • Change in condition       Explosives       Void         • Information with regard to physical hazard classes       Void         • Explosives       Void         • Flammable gases       Void         • Gases under pressure       Void         • Self-reactive substances and mixtures       Void         • Flammable solids       Void         • Substanc		Not determined				
Solubility         water:       Fully miscible.         Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       Density at 20 °C:         Bensity density       Not determined.         Vapour density       Not determined.         ' Vapour density       Not determined.         ' Appearance:       Fluid         ' Form:       Fluid         ' Important information on protection of health and environment, and on safety.       Product is not selfigniting.         * Auto-ignition temperature:       Product does not present an explosion hazard.         Change in condition       Explosive properties:         * Explosives       Void         ' Information with regard to physical hazard classes       Void         ' Explosives       Void         ' Flammable gases       Void         ' Flammable gases       Void         ' Flammable solids       Void         ' Pyrophoric solids       Void         ' Pyrophoric solids       Void         ' Pyrophoric solids       Void         ' Information with regard to physical hazard classes       Void         ' S						
• water:       Fully miscible.         • Partition coefficient n-octanol/water (log value)       Not determined.         • Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         • Density and/or relative density		Not dotominod.				
Partition coefficient n-octanol/water (log value)       Not determined.         Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       1.3–1.4 g/cm³         Bensity at 20 °C:       1.3–1.4 g/cm³         Pensity at 20 °C:       1.3–1.4 g/cm³         Selative density       Not determined.         'Vapour density       Not determined.         'Yapour density       Not determined.         'S.2 Other information       Fluid         'Important information on protection of health and environment, and on safety.       Fluid         - Auto-ignition temperature:       Product is not setfigniting.         Explosive properties:       Product does not present an explosion hazard.         Change in condition       Evaporation rate         Information with regard to physical hazard classes       Void         Explosives       Void         Gases under pressure       Void         Plammable gases       Void         Flammable liquids       Void         Pyrophoric solids       Void         Pyrophoric solids       Void         Self-reactive substances and mixtures       Void         Substances and mixtures       Void         Oxidising solids <t< th=""><th>•</th><th>Fully miscible</th></t<>	•	Fully miscible				
Vapour pressure at 20 °C:       23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)         Density and/or relative density       1.3–1.4 g/cm³         Density at 20 °C:       1.3–1.4 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         9.2 Other information       Appearance:         Form:       Fluid         Important information on protection of health and environment, and on safety.       Product is not selfigniting.         Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Product does not present an explosion hazard.         Change in condition       Evaporation rate         Information with regard to physical hazard classes       Void         Flammable gases       Void         Gases under pressure       Void         Flammable solids       Void         Flammable solids       Void         Pyrophoric liquids       Void         Pyrophoric solids       Void         Substances and mixtures       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising liquids <th></th> <th></th>						
Density and/or relative density       purity)         Density at 20 °C:       1.3–1.4 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         '9.2 Other information       -         Appearance:       -         Form:       Fluid         Important information on protection of health and environment, and on safety.       -         Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Product does not present an explosion hazard.         Change in condition       -         Explosive properties:       Void does not present an explosion hazard.         Flammable gases       Void         Flammable gases       Void         Flammable gases       Void         Flammable gases       Void         Flammable solids       Void         Flammable solids       Void         Proprotic solids       Void         Pyrophoric solids       Void         Pyrophoric solids       Void         Substances and mixtures       Void         Pyrophoric solids       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising solids <th>· Vanour pressure at 20 °C·</th> <th></th>	· Vanour pressure at 20 °C·					
Density and/or relative density       1.3–1.4 g/cm³         Density at 20 °C:       1.3–1.4 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         * Appearance:       *         • Form:       Fluid         Important information on protection of health and environment, and on safety.       *         Auto-ignition temperature:       Product is not selfigniting.         • Explosive propertiles:       Product does not present an explosion hazard.         Change in condition       *         * Evaporation rate       Not determined.         • Information with regard to physical hazard classes       *         Explosives       Void         • Flammable gases       Void         • Gases under pressure       Void         • Gases under pressure       Void         • Flammable solids       Void         • Flammable solids       Void         • Pyrophoric solids       Void         • Pyrophoric solids       Void         • Substances and mixtures       Void         • Substances and mixtures       Void         • Oxidising solids       Void         • Oxidising liquids       Void         • Oxidising solids       Void						
Density at 20 °C:       1.3–1.4 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         9.2 Other information	· Density and/or relative density	panty)				
Relative density       Not determined.         Vapour density       Not determined.         9.2 Other information		$1.3 - 1.4  \mathrm{q/cm^3}$				
Vapour density       Not determined.         9.2 Other information       Appearance:         Form:       Fluid         Important information on protection of health and environment, and on safety.       Product is not selfigniting.         Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Product does not present an explosion hazard.         Change in condition       Evaporation rate         Information with regard to physical hazard classes       Explosives         Explosives       Void         Flammable gases       Void         Flammable gases       Void         Gases under pressure       Void         Flammable liquids       Void         Flammable solids       Void         Flammable solids       Void         Pyrophoric liquids       Void         Pyrophoric liquids       Void         Substances and mixtures       Void         Substances and mixtures       Void         Substances and mixtures       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising solids       Void         Oxidising liquids       Void         Oxidising liquids       Void						
9.2 Other information         Appearance:         Form:       Fluid         Important information on protection of health and environment, and on safety.         Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Product does not present an explosion hazard.         Change in condition       Evaporation rate         Information with regard to physical hazard classes       Void         Flammable gases       Void         Addising gases       Void         Oxidising gases       Void         Flammable liquids       Void         Flammable solids       Void         Pyrophoric liquids       Void         Pyrophoric solids       Void         Substances and mixtures       Void         Substances and mixtures       Void         Substances and mixtures       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising liquids       Void	· · · · · · · · · · · · · · · · · · ·					
Appearance:       Fluid         Form:       Fluid         Important information on protection of health and environment, and on safety.       Product is not selfigniting.         Auto-ignition temperature:       Product does not present an explosion hazard.         Change in condition       Product does not present an explosion hazard.         Change in condition       Not determined.         Information with regard to physical hazard classes       Void         Flammable gases       Void         Flammable gases       Void         Oxidising gases       Void         Gases under pressure       Void         Flammable liquids       Void         Flammable solids       Void         Flammable liquids       Void         Pyrophoric liquids       Void         Pyrophoric solids       Void         Pyrophoric solids       Void         Substances and mixtures       Void         Substances and mixtures       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising liquids       Void         Oxidising solids       Void         Oxidising liquids       Void						
Form:FluidImportant information on protection of health and environment, and on safety.Product is not selfigniting.Auto-ignition temperature:Product is not selfigniting.Explosive properties:Product does not present an explosion hazard.Change in conditionEvaporation rateNot determined.Information with regard to physical hazard classesVoidFlammable gasesVoidAdrosolsVoidOxidising gasesVoidFlammable liquidsVoidFlammable solidsVoidFlamable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidSubstances and mixturesVoidSubstances and mixturesVoidOxidising liquidsVoidOxidising solidsVoidOxidising solidsVoidOxidising versitesVoidOxidising versitesVoidOxidising versitesVoidOxidising versitesVoidOxidising versitesVoidOxidising versites </th <th></th> <th></th>						
Important information on protection of health and environment, and on safety.         Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Product does not present an explosion hazard.         Change in condition       Imformation with regard to physical hazard classes         Explosives       Void         Flammable gases       Void         Aerosols       Void         Gases under pressure       Void         Flammable solids       Void         Flammable solids       Void         Self-reactive substances and mixtures       Void         Pyrophoric liquids       Void         Self-reactive substances and mixtures       Void         Substances and mixtures       Void         Oxidising liquids       Void         Oxidising substances and mixtures       Void         Oxidising liquids       Void         Oxidising substances and mixtures       Void         Oxidising liquids       Void         Oxidising solids       Void		Thuid				
environment, and on safety.Auto-ignition temperature:Product is not selfigniting.Explosive properties:Product does not present an explosion hazard.Change in condition•Evaporation rateNot determined.Information with regard to physical hazard classes•ExplosivesVoidFlammable gasesVoidOxidising gasesVoidOxidising gasesVoidGases under pressureVoidFlammable liquidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidSubstances and mixturesVoidSubstances and mixturesVoidOxidising glasesVoidOxidising liquidsVoidOxidising solidsVoidOxidising furthered with waterVoidOxidising solidsVoidOxidising liquidsVoidOxidising solidsVoidOxidising solidsVoi						
Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Product does not present an explosion hazard.         Change in condition       -         Evaporation rate       Not determined.         Information with regard to physical hazard classes       Void         Flammable gases       Void         Aerosols       Void         Oxidising gases       Void         Gases under pressure       Void         Flammable solids       Void         Flammable solids       Void         Self-reactive substances and mixtures       Void         Pyrophoric solids       Void         Substances and mixtures, which emit flammable gases       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising liquids       Void		u				
Explosive properties:       Product does not present an explosion hazard.         Change in condition		Draduat is not colfigniting				
Change in condition       Not determined.         Evaporation rate       Not determined.         Information with regard to physical hazard classes       Void         Explosives       Void         Flammable gases       Void         Aerosols       Void         Oxidising gases       Void         Gases under pressure       Void         Flammable liquids       Void         Flammable solids       Void         Flammable solids       Void         Self-reactive substances and mixtures       Void         Pyrophoric liquids       Void         Self-heating substances and mixtures       Void         Self-heating substances and mixtures       Void         Substances and mixtures       Void         Oxidising liquids       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising portice       Void						
Evaporation rate       Not determined.         Information with regard to physical hazard classes       Void         Explosives       Void         Flammable gases       Void         Aerosols       Void         Oxidising gases       Void         Gases under pressure       Void         Flammable liquids       Void         Flammable solids       Void         Self-reactive substances and mixtures       Void         Pyrophoric liquids       Void         Self-heating substances and mixtures       Void         Substances and mixtures       Void         Substances and mixtures       Void         Oxidising liquids       Void         Oxidising substances and mixtures       Void         Oxidising solids       Void         Oxidising liquids       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising solids       Void		Product does not present an explosion nazard.				
Information with regard to physical hazard classes         Explosives       Void         Flammable gases       Void         Aerosols       Void         Oxidising gases       Void         Gases under pressure       Void         Flammable liquids       Void         Flammable solids       Void         Flammable solids       Void         Self-reactive substances and mixtures       Void         Pyrophoric liquids       Void         Self-heating substances and mixtures       Void         Substances and mixtures, which emit flammable gases       in contact with water         in contact with water       Void         Oxidising solids       Void         Oxidising solids       Void         Oxidising solids       Void		Not determined				
ExplosivesVoidFlammable gasesVoidAerosolsVoidOxidising gasesVoidGases under pressureVoidFlammable liquidsVoidFlammable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidSelf-heating substances and mixturesVoidSelf-heating substances and mixturesVoidSubstances and mixturesVoidOxidising liquidsVoidOxidising solidsVoidOxidising solidsVoidOrganic peroxidesVoidCorrosive to metalsVoid	· Evaporation rate	Not determined.				
Flammable gasesVoidAerosolsVoidOxidising gasesVoidGases under pressureVoidFlammable liquidsVoidFlammable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidSelf-heating substances and mixturesVoidSelf-heating substances and mixturesVoidSubstances and mixturesVoidOxidising liquidsVoidOxidising liquidsVoidOxidising solidsVoidOxidising solidsVoidOrganic peroxidesVoidVoidVoid						
AerosolsVoidOxidising gasesVoidGases under pressureVoidFlammable liquidsVoidFlammable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidPyrophoric solidsVoidSelf-heating substances and mixturesVoidSubstances and mixturesVoidSubstances and mixturesVoidOxidising solidsVoidOxidising liquidsVoidOxidising solidsVoidOrganic peroxidesVoidCorrosive to metalsVoid						
Oxidising gasesVoidGases under pressureVoidFlammable liquidsVoidFlammable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidPyrophoric solidsVoidSelf-heating substances and mixturesVoidSubstances and mixturesVoidSubstances and mixturesVoidOxidising substances and mixturesVoidOxidising liquidsVoidOxidising liquidsVoidOxidising solidsVoidOrganic peroxidesVoidCorrosive to metalsVoid	0					
Gases under pressureVoidFlammable liquidsVoidFlammable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidPyrophoric solidsVoidSelf-heating substances and mixturesVoidSubstances and mixturesVoidSubstances and mixturesVoidSubstances and mixtures, which emit flammable gasesVoidIn contact with waterVoidOxidising liquidsVoidOxidising solidsVoidOrganic peroxidesVoidCorrosive to metalsVoid						
Flammable liquidsVoidFlammable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidPyrophoric solidsVoidSelf-heating substances and mixturesVoidSubstances and mixtures, which emit flammable gasesVoidin contact with waterVoidOxidising liquidsVoidOxidising solidsVoidOrganic peroxidesVoidVoidVoidVoidVoidVoidVoid		Void				
Flammable solidsVoidSelf-reactive substances and mixturesVoidPyrophoric liquidsVoidPyrophoric solidsVoidSelf-heating substances and mixturesVoidSubstances and mixtures, which emit flammable gasesin contact with waterIn contact with waterVoidOxidising liquidsVoidOxidising solidsVoidOrganic peroxidesVoidVoidVoid	· Gases under pressure	Void				
<ul> <li>Self-reactive substances and mixtures</li> <li>Pyrophoric liquids</li> <li>Pyrophoric solids</li> <li>Void</li> <li>Self-heating substances and mixtures</li> <li>Substances and mixtures, which emit flammable gases in contact with water</li> <li>Oxidising liquids</li> <li>Void</li> <li>Oxidising solids</li> <li>Void</li> <li>Organic peroxides</li> <li>Void</li> <li>Corrosive to metals</li> <li>Void</li> </ul>						
<ul> <li>Pyrophoric liquids</li> <li>Pyrophoric solids</li> <li>Void</li> <li>Self-heating substances and mixtures</li> <li>Substances and mixtures, which emit flammable gases in contact with water</li> <li>Oxidising liquids</li> <li>Oxidising solids</li> <li>Organic peroxides</li> <li>Void</li> <li>Corrosive to metals</li> <li>Void</li> </ul>		Void				
Pyrophoric solids       Void         Self-heating substances and mixtures       Void         Substances and mixtures, which emit flammable gases       in contact with water         Void       Void         Oxidising liquids       Void         Oxidising solids       Void         Organic peroxides       Void         Corrosive to metals       Void	<ul> <li>Self-reactive substances and mixtures</li> </ul>	Void				
<ul> <li>Self-heating substances and mixtures Void</li> <li>Substances and mixtures, which emit flammable gases in contact with water Void</li> <li>Oxidising liquids Void</li> <li>Oxidising solids Void</li> <li>Organic peroxides Void</li> <li>Corrosive to metals Void</li> </ul>						
<ul> <li>Substances and mixtures, which emit flammable gases in contact with water</li> <li>Oxidising liquids</li> <li>Oxidising solids</li> <li>Organic peroxides</li> <li>Corrosive to metals</li> <li>Void</li> </ul>						
in contact with water       Void         Oxidising liquids       Void         Oxidising solids       Void         Organic peroxides       Void         Corrosive to metals       Void						
· Oxidising liquids     Void       · Oxidising solids     Void       · Organic peroxides     Void       · Corrosive to metals     Void	Substances and mixtures, which emit flammable gase	Substances and mixtures, which emit flammable gases				
Oxidising solids     Void       Organic peroxides     Void       Corrosive to metals     Void	in contact with water	Void				
Organic peroxides     Void       Corrosive to metals     Void	· Oxidising liquids	Void				
Organic peroxides     Void       Corrosive to metals     Void		Void				
		Void				
· Desensitised explosives Void		Void				
	Desensitised explosives	Void				

# 10 Stability and reactivity

· 10.1 Reactivity No further relevant information available.

10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

• 10.3 Possibility of hazardous reactions No dangerous reactions known.

· 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

(Contd. on page 4)

GB

## Safety data sheet according to 1907/2006/EC, Article 31

Version number 1.1 (replaces version 1.0)

Printing date 03.08.2022

Revision: 03.08.2022

(Contd. of page 3)

## 11 Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- $\cdot$  Acute toxicity Based on available data, the classification criteria are not met.
- · LD/LC50 values relevant for classification:
- **56-81-5 glycerol** 
  - LD50 12,600 mg/kg (rat)
  - >10,000 mg/kg (rabbit)
- Dermal LD50 >10,000 mg/kg (rabbit)
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties
- None of the ingredients is listed.

## **12 Ecological information**

#### · 12.1 Toxicity

Aquatic toxicity:

- 56-81-5 glycerol
- LC50/96h >1,000 mg/l (fish)
  - 54,000 mg/l (salmo gairdneri)
- EC50/24h >10,000 mg/l (daphnia magna)
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## 13 Disposal considerations

- · 13.1 Waste treatment methods
- Recommendation
- Smaller quantities can be disposed of with household waste.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

14.1 UN number or ID number		
ADR, IMDG, IATA	not regulated	
14.2 UN proper shipping name		
ADR, IMDG, IATA	not regulated	
14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
Class	not regulated	
14.4 Packing group		
ADR, IMDG, IATA	not regulated	

## Safety data sheet according to 1907/2006/EC, Article 31

Version number 1.1 (replaces version 1.0)

Revision: 03.08.2022

		(Contd. of page 4)		
· 14.5 Environmental hazards:	Not applicable.			
· 14.6 Special precautions for user	Not applicable.			
· 14.7 Maritime transport in bulk according to IMO				
instruments	Not applicable.			
· UN "Model Regulation":	not regulated			

## 15 Regulatory information

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

Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Product Safety Department

· Contact: B. Treiber, b.treiber@c-kreul.de

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

IN LATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

\* Data compared to the previous version altered.