

# Material Safety Data Sheet

according to (EC) No. 1907/2006

Date of issue: 10.06.2016  
 Printing date: 26.08.2016

Version: 1

## 1. Product identification/preparation/company undertaking

**Trade name:** **PACT Fluid, PACT GEL PACT Nail Gel**

**Use of the preparation:** Photosensitiser  
**Manufacturer/supplier:** Cumdente GmbH,  
 72076 Tübingen, Germany  
**Emergency information:** Dr. Frank Schynowski  
 ++49 7071 97557-21  
 scpolymer@t-online.de

## 2. Hazards identification

**Risk identification:**  
**Special risks for human beings and environment:** No special risks, slight temporary colouring  
**Classification:** classification corresponds to actual EEC guidelines, however completed with details from technical literature and company data.

## 3. Composition/Information on Ingredients

**Chemical characterization:** Solution of tononium chloride (TBO) in dest. water with propylene glycol (PG) and hydroxyethyl cellulose (HEC).  
**Description:** TBO < 0,1 %, PG < 20 %, HEC < 2 %  
**Hazardous components:** None

## 4. First-aid measures

**General information:**  
**after skin contact:** wash with plenty of water and soap  
**after eye contact:** rinse with plenty of water  
**after swallowing:** No harm

## 5. Fire fighting measures

**Extinguishing media:** CO2, Water  
**Protective equipment:**

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<b>6. <u>Accidental release measures</u></b>	
<b>Personal precautions:</b>	none
<b>Environmental precautions:</b>	none
<b>Methods for cleaning up:</b>	Wipe out with absorbent material
<b>Additional information:</b>	
<b>7. <u>Handling and storage</u></b>	
<b>Handling:</b>	
<b>Handling procedures:</b>	Normal hygienic measures
<b>Recommendation for fire and explosion protection:</b>	
<b>storage:</b>	store at dry place, at room temperature, protected from light
<b>Requirements at storerooms and containers:</b>	
<b>Requirements for storage with other products:</b>	store away from food stuffs
<b>Additional storage conditions:</b>	
<b>Storage classification:</b>	
<b>VBF-classification:</b>	
<b>8. <u>Exposure controls/personal protection</u></b>	
<b>Additional information for technical plants:</b>	
<b>Components with limits of values to be supervised at the workplace:</b>	
CAS-Nr.	name
art	value
	unit
The product contains no relevant quantities of components with limits of values to be supervised at the workplace.	
<b>Additional information:</b>	
<b>Personal protective equipment:</b>	
<b>General measures of protection and hygiene:</b>	normal hygienic measures
<b>respiration:</b>	
<b>hands:</b>	wear gloves
<b>eyes:</b>	wear eye glasses

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<b>9. <u>Physical and chemical properties</u></b>			
<b>Appearance</b>			
<b>Form:</b>	Liquid, gel		
<b>Colour:</b>	blue		
<b>Odour:</b>	odourless		
	<u>Value</u>	<u>Unit</u>	<u>Method</u>
<b>Information on change in the physical state</b>			
<b>Melting point/melting range:</b>	n.a.		
<b>Boiling point/boiling range:</b>	n.a.		
<b>Flash point:</b>	n.e.		
<b>Autoignition temperature:</b>	n.e.		
<b>Danger of explosion:</b>	none		
<b>Density:</b>	1,010 - 1,050 (20 °C)	g/cm <sup>3</sup>	
<b>Vapour pressure:</b>	n.a.		
<b>Viscosity:</b>	flowable		
<b>pH:</b>	n.a.		
<b>Solubility in/miscibility with:</b>	Unsoluble in organic solvents		
<b>Water:</b>	soluble		
<b>Content of solvents:</b>	none		
<b>Organic solvents:</b>	none		
<b>Water:</b>	none		
<b>Content of solids:</b>	n.a.		
<b>10. <u>Stability and reactivity</u></b>			
	avoid heat, direct sunlight		
<b>Incompatibility with other substances:</b>	No relevant incompatibilities		
<b>Hazardous decomposition products:</b>	not known		
<b>11. <u>Toxicological information</u></b>			
	Allergic reactions to propylene glycol very rare other compounds non toxic in the amount and concentration		
<b>Acute toxicity:</b>	none		
<b>Primary irritation:</b>	none		
<b>Skin:</b>	Allergic reaction to PG possible.		
<b>Eye:</b>	none irritant		
<b>Inhalation:</b>	None volatile		
<b>Ingestion:</b>	Nontoxic when swallowed		
<b>Sensitization of product:</b>	Allergic reaction to PG possible (very rare)		
<b>Additional toxicological information:</b>	During the long period of use no health diseases are reported.		

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<b>12. <u>Ecological information</u></b>	
<b>General information:</b>	No data known
<b>Classification of water endangerment:</b>	n.a.
<b>13. <u>Disposal considerations</u></b>	
<b>Product:</b>	
<b>Recommendation:</b>	use proper landfill disposal or incineration in accordance with local, state and federal regulations
<b>Disposal key number:</b>	
<b>Uncleaned packaging:</b>	Handle contaminated packaging in the same way as the substance itself.
<b>Recommendation:</b>	
<b>14. <u>Transport information</u></b>	
Land transport ADR/RID and GGVS/GGVE (Germany)	No dangerous good in sense of these transport regulations.
Sea transport IMDG	No dangerous good in sense of these transport regulations.
Air transport ICAO-TI and IATA-DGR	No dangerous good in sense of these transport regulations.
<b>15. <u>Regulatory information</u></b>	
<b>Classification according to EEC-guidelines:</b>	No classification according to EEC guidelines
<b>National Prescriptions:</b>	
<b>16. <u>Other information:</u></b>	
<b>Changes compared with the previous version:</b>	
<b>Preparation by:</b>	The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use. Dr. Frank Schynowski, Tel.: +49707197557-21