

Safety Data Sheet
according to 453/2010 EU

1. Product identification/preparation/company undertaking	
Product details	
Trade name:	PACT® Fluir PACT® Gel
Manufacturer/supplier:	Cumdente GmbH, 72076 Tübingen, Germany
Emergency information:	Prof. Dr. Rainer Hahn ++49 7071 9755721
2. <u>Composition/Information of Ingredients</u>	
Chemical characterization:	Solution of tolonium chloride (TBO) in dest. water with propylene glycol (PG) and hydroxyethyl cellulose (HEC).
Description:	TBO < 0,1 %; PG < 20 %, HEC < 2%
Hazardous components:	None
3. <u>Hazards identification</u>	
Risk identification:	
Special risks for human beings and environment:	None, slight temporary colouring
Classification:	Classification corresponds to actual EEC guidelines
4. <u>First-aid measures</u>	
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. <u>Fire fighting measures</u>	
Extinguishing media:	CO ₂ , water
Protective equipment:	

Safety Data Sheet
according to 91/155/EEC

9. <u>Physical and chemical properties</u>			
Appearance			
Form:	Liquid, gel		
Colour:	blue		
Odour:	odourless		
	<u>Value</u>	<u>Unit</u>	<u>Method</u>
Information on change in the physical state			
Melting point/melting range:			
Boiling point/boiling range:	n.a.		
Flash point:	n.a.		
Autoignition temperature:	n.d.		
Danger of explosion:	none		
Density:	1,1	g/cm ³	
Vapour pressure:	non volatile		
Viscosity:	gel, liquid		
pH:	neutral		
Solubility in/miscibility with:	water		
Water:	soluble		
Content of solvents:	Propylene glycol < 20 %		
Organic solvents:	-		
Water:	78%		
Content of solids:	n.a.		
10. <u>Stability and reactivity</u>			
	stable, avoid direct sunlight		
Incompatibility with other Substances:	No relevant incompatibilities		
Hazardous discomposition products:	not known		
11. <u>Toxicological information</u>			
	allergic reaction to propylene glycol very rare, other compounds non toxic in the amount and concentration		
Acute toxicity:			
Primary irritation:			
skin:	Allergic reaction to PG (very rare)		
eye:	slight temporary colouring		
Inhalation:	non volatile		
Ingestion:	nontoxic when swallowed		
Sensitization of product:	not observed		
Additional toxikological information:	During the long period of use as PACT photosensitiser no health deseases are reported.		

Safety Data Sheet
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12. Ecological information

General information: no data known
Classification of water endangerment: n.a.

13. Disposal consideration

Product:
Recommendation: use proper landfill disposal or incineration in accordance with local, state and federal regulations.

Disposal key number:
Uncleaned packaging:
Recommendation:

14. Transport information

RID/ADR:

15. Regulatory information

Classification according to EEC guidelines: no classification necessary to actual EEC guidelines

National Prescriptions:
Classification according to VbF: n.a.

16. Other information:

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.

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