

1. PRODUCT AND COMPANY IDENTIFICATION			
Product name	BETRONOL EP 214	49.1.	Date revised :2013
EC n°			
Manufacturer / distributor	DAC VISION 22 av. Joliot Curie - 17180 PERIGNY - FRANCE		
Phone number/mail	+33 5 46 27 27 24 - Fax : +33 5 46 27 14 36 - dacvision.eu@dacvision.com		
Emergency phone number	see item 16		
2. HAZARD IDENTIFICATION			
Phrase R	-	CLP- H	
Phrase S	-	CLP- P	
3. COMPOSITION, INFORMATION ON INGREDIENTS:			
Water mixable coolant, use for lapping all prescription lens materials (CR39, mid & high index, polycarbonate...).			
Mineral oil and emulsion agents.			
Chloride biphenyl, CPT, PDBB, phenol, chloride, secondary amines, zinc, Barium, and nitrites free.			
4. FIRST AID MEASURES :			
Inhalation	1-10% solution non irritant. In case of high concentration, bring to fresh air and lay. Get medical assistance if no quick recovering can be observed		
Eye contact	Wash immediately with cool running water for 15 minutes. Seek medical advice at once.		
Skin contact	Wash immediately with cool running water or oil-dissolving hand wash cream. Seek medical advice at once		
Ingestion	Do not provoke vomiting. Drink a lot of water. Seek medical advice at once		
Environment	See items 12 and 13		
5. FIRE FIGHTING MEASURES			
Extinguishing media	Water jet spread in fine particles, foam, CO2, sand, powder. Cool containers exposed to fire with water jet spread in fine particles		
Inappropriate extinguishing media	Direct water jet is not appropriated.		
Specific hazards	In the event of fire, the product can generate fumes and vapours like CO2, CO, SOx, and cracking organic agents.		
Personal protection	Use respiratory equipment. Use the same protection as mentioned in item 8. Warranty good ventilation. Risks of slide		
6. ACCIDENTAL RELEASE MEASURES :			
Individual and environmental protection	Avoid penetration into sewerage, waterways or ground water. Prevent spreading and product from entering drains, etc. Contain spill with inert material (sand, earth).		
Cleaning up	See item 13		
7. HANDLING AND STORAGE:			
Handling	The best storage conditions are 20°C ±5°C, 50%HR ±15% HR, in a healthy location (without dust, grease, or water), products being in their original packaging closed, out of direct sunlight.		
Storage	Avoid direct eye and skin contact and use personal protection mentioned in item 8.		

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection	No special protection necessary
Hands protection	The use of rubber gloves is recommended
Eye protection	When risk of splashes exists, use safety spectacles
Skin protection	No special protection necessary
General	Handle with elementary precautions of hygiene and neatness. Do not eat, drink, or smoke on the work area. Wash hands abundantly before eating, drinking or smoking. Avoid inhalation or ingestion of smoke.

9. CHEMICAL AND PHYSICAL PROPERTIES :

Apparence	Clear liquid	Decomposition temperature	270°C
Colour	ASTM color : 0.5	Viscosity	(20°C): 365 mm ² /s
Odour	Light	Solubility	Not soluble in water (dispersion)
pH	20°C, 100 g/l: 9.5	Pressure of vapor	Not available
Boiling point:	Not determinated		
Melting temperature	Not determinated		
Flash point	170°C DIN ISO 2593		
Density	0,93 g/cm ³ (15°C, DIN 51757)		
Inflammation temperature	Not available		

10. STABILITY AND REACTIVITY:

Stability	Phases separation after freezing
Conditions to avoid	None
Materials to avoid	Strong oxidisers and acids
Decomposition products	None hazardous known

11. TOXICOLOGICAL INFORMATION:

Acute toxicity:

Inhalation	
Ingestion	
Skin contact	
Eye contact	
Chronic toxicity	
Irritation/ sensitization	

12. ECO-TOXICOLOGICAL INFORMATION:

Degradability	Not available.
Accumulation	-
Different harmful effects :	-
Effects with short and long terms	-

13. DISPOSAL:

Code EWC (European waste code)	12 01 09 (ADEME)
Contaminated containers recommendations	Contaminated containers should be emptied completely. After adequate cleaning, reuse is possible.

14. TRANSPORT INFORMATION:

Not restricted

Labelling:

15. REGULATORY :

Phrase R	-	CLP- H	
Phrase S	-	CLP- P	

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16. OTHER INFORMATION:

EMERGENCY PHONE NUMBERS:

FR: FRANCE: ORFILA: (00 33) 01 45 42 59 47 UNITED KINGDOM: NATIONAL CHEMICAL EMERGENCY CENTER CULHAM LABORATORY: (00 44) 01235 463076 ITALY: LABORATORI DE TOSSICOLOGIA: (00 39) 0266 10 10 17 SPAIN: SERVICIO DE INFORMACION TOXICOLOGIA: (00 34) 91 562 04 8 PORTUGAL: SEVICO TOXICOLOGIA: (00 351) 213 30 3259
GERMANY: BERATUNGSSTELLE BEI VERGIFTUNGEN: (00 49) 06131 19228:

Autre :

This information is based on the data sheet current security manufacturers and suppliers. They do not represent a guarantee of product properties. They do not teach in any case the product user to know and enforce all laws regulating its business and fulfill its obligations when using this product. Product intended for industrial use. Handle with care basic hygiene and cleanliness. Do not use for applications other than those listed on the sheet.