

Polar Frost® Cold Gel

Material Safety Data Sheet

IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Identity	Polar Frost
Supplied By	Mettler Electronics Corp. 1333 South Claudina Street Anaheim, CA 92805 www.mettlerelectronics.com email: mail@mettlerelectronics.com
Emergency Phone #	1-800-854-9305 or 1-714-533-2221
Manufactured By	OY GALENA LTD Sammonkatu 10 FIN-70500 KUOPIO, Finland

COMPOSITION AND INFORMATION ON INGREDIENTS

Description	Cold Gel. Ingredients: Aqua, Alcohol, Menthol, Carbomer, Triethanolamine, Propylene Glycol, Aloe Barbadosis Extract, Silica, Methylparaben, Propylparaben
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HAZARDOUS INGREDIENTS

Ingredients	%	CAS Number	Warning Symbol, R phrases and other data on the ingredient
Denatured ethanol	37% (w/w)	64-17-5	N/A
Menthol (-)	4% (w/w)	2216-51-5	N/A

HAZARDS IDENTIFICATION

Contact with eyes, mucous membranes, wounds and irritated skin causes smarting pain

FIRST AID MEASURES

Skin Contact	N/A
Eye Contact	Wash eye with water for 15 minutes. Seek medical attention if irritation still exists
Inhalation	N/A
Ingestion	Induce vomiting, administer a saline laxative and activated charcoal by mouth

FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, dry chemicals and carbon dioxide
Extinguishing media which must not be used for safety reasons	N/A
Special exposure hazards in a fire	N/A
Special protective equipment for a fire	N/A
Other instructions	N/A
Special Shipping Instructions	N/A

PREVENTATIVE MEASURES

Engineering Controls	N/A
Waste Disposal	Dispose of in accordance with local, state and federal regulations.
Leak and Spill Procedure	Scoop up excess. Clean with appropriate cleaner and rinse with water.
Handling Procedures & Equipment	Avoid contact with eyes, mucous membranes, wounds and irritated skin

Storage Requirements	Store away from heat and sunlight.
Special Shipping Instructions	Should not freeze.
Other Information	Keep out of reach of children

PHYSICAL DATA

Physical State	Blue gel	Explosion Hazard	N/A
Relative Density	0.93 ± 0.02 (g/ml)	Explosive Limits a) lower b) upper	3.3 % (v/v)(ethanol)(**) 19 % (v/v)(ethanol)(**)
pH	5.5 – 6.0	Oxidizing Properties	N/A
Boiling Point (°C)	78°C (ethanol)(**)	Vapour Pressure	N/A
Melting Point (°C)	N/A	Solubility in Water (20°C)	Soluble
Decomposition Temperature	78°C	Odor & Appearance	Blue gel, menthol smell
Flash Point (°C)	N/A	Odor Threshold	n/a
Flammability (solid/gas)	N/A	Viscosity	10 000 – 100 000 cp
Autoflammability	383°C (ethanol)(**)		

STABILITY AND REACTIVITY

Conditions to avoid	Keep away from heat and sunlight. Should not freeze
Incompatible Materials	N/A
Hazardous Decomposition Products	Alcoholic vapors

TOXICOLOGICAL PROPERTIES

Acute Toxicity	Not known
Irritancy and corrosiveness	Avoid contact with eyes, mucous membranes, wounds and irritated skin
Sensitization	May give rise to hypersensitivity reactions (*)
Subacute, subchronic and prolonged toxicity	Not known
Empirical data on effects on humans	When applied to the skin gel dilates the blood vessels, causing a sensation of coldness followed by an analgesic effect (*)
Other information on health effects	N/A

PREPARATION INFORMATION

Data Supplied By	OY GALENA LTD Sammonkatu 10 FIN-70500 KUOPIO, Finland
Date	March 13, 2002
Sources of information used in the compilation of the safety data sheet	(*) Martindale 30th Ed., Pharmaceutical Press, London 1993 (**) Handbook of Chemistry and Physics 76th Ed., CRC Press, Boca Raton 1995

OTHER INFORMATION

Person to contact:	Regulatory Affairs Manager
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Approved by: Robert E. Fleming — Director of Operations

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