

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 27.10.2011

Revision 27.10.2011 (GB) Version 1.0

DEEP FREEZE Cold Spray 150ml

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product

DEEP FREEZE Cold Spray 150ml

Art-Nr MF215

Distributor

The Mentholatum Co. Ltd.

1 Redwood Avenue/ Peel Park Campus, UK- G74 5PE East
Kilbride - Glasgow

Phone +44(0) 1355 848484, Fax +44(0) 1355 263387

Internet www.mentholatum.com

Manufacturer

Colep Bad Schmiedeberg

Kemberger Str.3, D-06905 Bad Schmiedeberg

Phone +49 (34925) 76-0, Fax +49 (34925) 76-299

Internet www.colep.com

Advice

Application

Phone +49 (34925) 76-0

Fax +49 (34925) 76-299

Emergency advice

Herr Brühmann

Phone +49 (34925) 76-0

2. HAZARDS IDENTIFICATION

Classification

F+; R12

N; R51/53

R-phrases

12 Extremely flammable.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
64-17-5	200-578-6	ethanol	< 10	F R11
74-98-6	200-827-9	propane	< 20	F+ R12
75-28-5	200-857-2	isobutane	< 5	F+ R12
106-97-8	203-448-7	butane	< 10	F+ R12
109-66-0	203-692-4	pentane	< 60	F+ R12; Xn R65; R66; R67; N R51/53

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately, don't leave to dry.

In case of inhalation

In the event of symptoms refer for medical treatment.

In case of skin contact

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.

Physician's information / possible symptoms

In case of inhalation of plenty of solvent-containing fumes the following symptoms may occur:
Confusion

Treatment (Advice to doctor)

Treat symptoms.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Alcohol-resistant foam
ABC powder
Carbon dioxide
Water spray jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Do not inhale explosion and/or combustion gases.

Additional information

Cool endangered containers with water spray jet.
Collect contaminated firefighting water separately, must not be discharged into the drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.
Keep people away and stay on the upwind side.
Keep away sources of ignition.
Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

Environmental precautions

Collect contaminated water / firefighting water separately.
Do not discharge into the drains/surface waters/groundwater.

Methods for cleaning up

Pump off larger quantity.
Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
Send in suitable containers for recovery or disposal.

Additional Information

Vapour can be explosive in the mixture with air.

7. HANDLING AND STORAGE

Advice on safe handling

No special measures necessary if used correctly.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Emergency cooling must be provided for the eventuality of a fire in the vicinity.

The vapours of product are heavier than air.

Formation of explosive gas mixtures in air.

Pay attention to general rules of internal fire prevention.

Avoid effect of heat.

Requirements for storage rooms and vessels

Ventilate store-rooms thoroughly.

Provide floor with bunding.

Prevent penetration into the ground.

Keep only in unopened original container.

Further information on storage conditions

Protect aerosols against fall over.

Storage temperature between 0°C to 30°C (=32°F to 86°F), maximum 50°C (=122°F).

Information on storage stability

maximum storage time: 3 years.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC or 2006/15/EC)

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
109-66-0	pentane	8 hours	3000	1000	

Hygiene measures

At work do not eat, drink, smoke or take drugs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

aerosol can (data refer to the contents).

Colour

colourless, clear

Odour

aromatic alcoholic

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	not applicable				
Acid number	not applicable				
boiling range	-40 - -10 °C			1013 hPa	

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	Value	Temperature	at	Method	Remark
Flash point	ca. -80 °C			DIN 51755	information concerns to propellant
Flammable solid	not applicable				
Flammability (gas)	not determined				
Ignition temperature	> 350 °C			DIN 51794	information concerns to propellant
Autoignition	no				
Lower explosion limit	1,8 Vol-%				information concerns to propellant
Upper explosion limit	11,2 Vol-%				information concerns to propellant
Vapour pressure	not determined				
Density	0,798 g/cm3	20 °C	1013 hPa		information concerns to liquid phase
Bulk density	not applicable				
Rel. vapour density	not determined				
Solubility in water					cloudly soluble
Solubility/other					freely miscible with alcohol, aromatics

10. STABILITY AND REACTIVITY

Conditions to avoid

danger of bursting above 50 °C

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD 50 acute oral	7060 mg/kg	rat		Information concerns to main component.
LC 50 acute inhalation	20000 ppm (10 h)	rat		

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	Value/Validation	Species	Method	Remark
Irritability skin	irritant	rabbit		Sometimes short-term reddening of skin may occur.

Experiences made from practice

Concentrations substantial above MAK-value may effect narcotic.

Additional information

The declarations of toxicology refer to main component.

The product was classified on the basis of the calculation procedure of the preparation directive (88/379/EEC).

12. ECOLOGICAL INFORMATION

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 93 Mikro-g/l (96 h)	Lepomis macrochirus		
Daphnia	EC50 24 Mikro-g/l (48 h)	Daphnia pulex		
Algae	EC50 10000 - 25000 Mikro-g/l (1 - 2 h)			

General regulation

Product is not allowed to be discharged into the ground water or aquatic environment.

The information to ecology refers to solvent.

13. DISPOSAL CONSIDERATIONS

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1

Marine transport IMDG

UN 1950 AEROSOLS, 2.1

Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

Transport/further informations

No hazardous material as defined by the prescriptions.

Regulations concerning free quantities are to be observed.

15. REGULATORY INFORMATION

Remarks for classification

caution: pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

Do not pierce or burn even after use.

Do not spray on a naked flame or any incandescent material.

Keep away from sources of ignition. No smoking. Keep out of the reach of children.

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Classification

F+ Extremely flammable
N Dangerous for the environment

R-phrases

12 Extremely flammable.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.

S-phrases

2 Keep out of the reach of children.
23.4 Do not breathe spray.
29 Do not empty into drains.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.

National regulations

Water hazard class 2 Mixture-WGK

16. OTHER INFORMATION

Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 11 Highly flammable.
R 12 Extremely flammable.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.