

Productname : FREEZE 75
Ref.Nr.: AB28390-3-131010
Creationdate : 13.10.10
Replaces: 31.10.07

1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : FREEZE 75
Aerosol

Application : Cooling agent

Company : CRC Industries Europe bvba
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Belgium
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CRC Industries France	12, Bld des Martyrs de Chateaubriant F-95102 Argenteuil Cédex	(+33)(0)1/34112000	(+33)(0)1/34110996
CRC Industries Deutschland	Südring 9, 76473 Iffezheim	(+49)(0)7229/3030	(+49)(0)7229/303266
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CRC Industries Sweden	Kryptongatan 14, 43153 Mölndal	(+46)(0)31/7068480	(+46)(0)31/273991

2. HAZARD IDENTIFICATION

Health and Safety : Not flammable under normal conditions of use but contains flammable components
(Testing on flammability in closed space, FEA X610-E, are negative)
In case of contact with liquid product frostbite symptoms may occur.
According to EU-directive 99/45/EC not classified

Environment : According to EU-directive 99/45/EC not classified

Other hazards : 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.



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3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CASDES	EINECS	w/w %	symbol	R-phrases*	Notes
dimethyl ether	115-10-6	204-065-8	5-10	F+	12	A
tetrafluoroethane	811-97-2	212-377-0	60-100	-	-	B
Explanation notes						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						

Remark: for substances with workplace exposure limits see point 8.

(* Explanation risk-phrases : see chapter 16)

4. FIRST AID MEASURES

General Advice : The usual precautions for handling chemicals should be observed
If any symptoms should occur, seek medical advice.

Contact with eyes : If substance has got into eyes, immediately wash out with plenty of water for several minutes
Seek medical advice

Contact with skin : In case of contact with liquid, thaw frosted parts with water, then remove clothing carefully
Seek medical advice

Inhalation : Fresh air, keep warm and at rest.
Seek medical attention if ill effects occur

Ingestion : Ingestion is unlikely to occur
If swallowed accidentally, do not induce vomiting and seek medical advice.

5. FIRE-FIGHTING MEASURES

Flash point (without propellant): Not available.

Explosion limits : upper limit : Not available.

lower limit : Not available.

Extinguishing media : water, foam, carbon dioxide or dry agent

Fire-fighting procedures : Keep container(s) exposed to fire cool, by spraying with water

Unusual exposure hazard : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
HF may be formed under condition of fire
Not flammable under normal conditions of use but contains flammable components



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate ventilation
Cleaning methods : Ventilate area

7. HANDLING AND STORAGE

Handling procedures : Ensure adequate ventilation
Avoid contact with skin and eyes, in case of contact with liquid product frostbite symptoms may occur.
Do not spray on a naked flame or incandescent material.
Do not pierce or burn aerosols, even after use.
Do not breathe aerosols or vapours.
Avoid contact with skin and eyes.

Storage procedures : Keep in a cool, dry, well ventilated place
Keep out of reach of children.
Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures : Ensure adequate ventilation

Personal protection : It is advisable to take precautions to avoid contact with skin and eyes when handling the product.
Use only in well ventilated areas

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
(compressed air)

hands and skin : Wear suitable protective gloves

eyes : Wear safety goggles.

Exposure limits :

Hazardous ingredient	CASDES	method	
EU established exposure limits:			
dimethyl ether	115-10-6	TWA	1000 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

Apperance : physical state : Liquified gas.
colour : Colorless.
odour : Perceptible odour.

Boiling point/range : Not available.

Relative density : 1.139 g/cm³ (@ 20°C).



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pH : Not applicable.
Vapour pressure : Not available.
Relative vapour density : >3
Solubility in water : Insoluble in water
Flash point : Not available.
Auto-ignition : > 200 °C
Evaporation rate : Not applicable.

10. STABILITY AND REACTIVITY

Conditions to be avoided : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Materials to be avoided : alkali metals
Hazardous decomposition compounds : HF may be formed under condition of fire

11. TOXICOLOGICAL INFORMATION

Inhalation : High concentrations may cause narcotic effects.
Skin contact : In case of contact with liquid product frostbite symptoms may occur.
Eye contact : In case of contact with liquid product frostbite symptoms may occur.

12. ECOLOGICAL INFORMATION

No experimental data available

13. WASTE DISPOSAL

Product : Do not discharge into drains or the environment, dispose to an authorised waste collection point.
Disposal should be in accordance with local, state or national legislation

14. TRANSPORT

UN-number : 1950
Road/Rail - ADR/RID : UN1950 Aerosols Class : 2.2, PG : NA, Class code : 5A, Label : 2.2, Tunnel-code : (E)
Sea - IMDG : UN1950 Aerosols, non-flammable Class : 2.2, PG : NA, Label : 2.2
EmS F-D, S-U
Air - IATA/ICAO : UN1950 Aerosols, non-flammable Class : 2.2, PG : NA, Label : RNG



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15. REGULATORY INFORMATION

Safety-phrase(s) :

S2: Keep out of the reach of children.
S23: Do not breathe vapours/spray.
S51: Use only in well-ventilated areas.

Do not use for applications other than those for which the product is designed.

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.
7 % by mass of the contents are flammable.

Classified according to Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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REVISIONS IN CHAPTRE : 15

***Explanation risk-phrases:** R12: Extremely flammable.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.

