

Productname : DUST OFF HF
Ref.Nr.: AB28120-3-261010
Creationdate : 26.10.10
Replaces: 31.10.07

1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : DUST OFF HF
Aerosol

Application : Cleaners - Precision

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
CRC Industries Iberia	Gremio del cuero S/N, 40195 Segovia	(+34)921/427546	(+34)921/436270
CRC Industries Sweden	Kryptongatan 14, 43153 Mölndal	(+46)(0)31/7068480	(+46)(0)31/273991

2. HAZARD IDENTIFICATION

Health and Safety : According to EU-directive 99/45/EC not classified
In case of contact with liquid product frostbite symptoms may occur.

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.

3. COMPOSITION AND INFORMATION ON COMPONENTS

No health or environmental hazardous components in concentrations exceeding the limits for classification as laid down in the European directive 99/45/EC.

Hazardous ingredient	CAS-nbr.	EINECS	w/w %	symbol	R-phrases*	Notes
1,1-Difluoroethane	75-37-6	200-866-1	10-30	F+	12	



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Hazardous ingredient	CAS-nbr.	EINECS	w/w %	symbol	R-phrases*	Notes
tetrafluoroethane	811-97-2	212-377-0	60-100	-	-	B
Explanation notes						
B : substance with national established workplace exposure limit						

4. FIRST AID MEASURES

General Advice : If symptoms persist always call a doctor

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): None

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 : Aerosols may explode if heated above 50°C
HF may be formed under condition of fire

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate ventilation
Shut off all ignition sources

Cleaning methods : Ventilate area



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

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Control procedures : Ensure adequate ventilation

Personal protection : Avoid contact with skin and eyes, in case of contact with liquid product frostbite symptoms may occur.
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.

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 : 1.165 g/cm³ (@ 20°C).

pH : Not applicable.

Vapour pressure : Not available.

Relative vapour density : Not available.

Solubility in water : Not available.

Flash point : None

Auto-ignition : > 200 °C

Viscosity : Not available.



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Evaporation rate : Not available.

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 empty into drains.
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.

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.
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 : 2,3

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