

Productname : DUST OFF HF  
Ref.Nr.: BDS000676\_3\_20131001

Creationdate : 01.10.13 Version : 2.0  
Replaces: BDS000676\_20111103

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**DUST OFF HF**  
Aerosol

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Cleaners - Precision

### 1.3. Details of the supplier of the safety data sheet

**CRC Industries Europe bvba**  
Touwslagerstraat 1  
9240 Zele  
Belgium  
Tel.: +32(0)52/45.60.11  
Fax.: +32(0)52/45.00.34  
E-mail : hse@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Laurinkatu 57 A 23 B, 08100 Lohja	+358/(19)32.921	+358/(19)383.676
CRC Industries France	6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex	01.34.11.20.00	01.34.11.09.96
CRC Industries Deutschland GmbH	Südring 9, D-76473 Iffezheim	(07229) 303.0	(07229)30 32 66
CRC INDUSTRIES IBERIA S.L.U.	GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA	0034/921.427.546	0034/921.436.270
CRC Industries Sweden	Kryptogatan 14, 431 53 Mölndal	0046/31 706 84 80	0046/31 27 39 91

### 1.4. Emergency telephone number

CRC Industries Europe, Belgium: Tel.: +32(0)52/45.60.11 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

**Physical:**

Aerosol, category 3  
Pressurised container: May burst if heated.



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**Health:** Not classified  
**Environment:** Not classified  
**Other hazards :** None

#### Classification according to 67/548/EEC or 1999/45/EC:

**Health:** Not classified  
**Physical:** Not classified  
**Environment:** Not classified

#### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008

**Signal word:** Warning  
**Hazard statement(s):** H229 : Pressurised container: May burst if heated.  
**Precautionary statement(s):** P102 : Keep out of reach of children.  
P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251 : Do not pierce or burn, even after use.  
P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**Supplemental Hazard information:** None

#### 2.3. Other hazards

In case of contact with liquid product frostbite symptoms may occur.  
Aerosols may explode if heated above 50°C

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable.

#### 3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
tetrafluoroethane	811-97-2	212-377-0	75-100	-	-	B
1,1-Difluoroethane	75-37-6	200-866-1	10-25	F+	12	
<b>Explanation notes</b>						
B : substance with national established workplace exposure limit						

(\* Explanation phrases : see chapter 16)



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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Contact with eyes :	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Contact with skin :	In case of contact with liquid, thaw frosted parts with water, remove clothing carefully and wash with soap & water Seek medical advice
Inhalation :	Fresh air, keep warm and at rest.
Ingestion :	In case of accident or if you feel unwell, seek medical advice (show the label where possible)

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	In case of exposure to substance or its vapours, obtain special treatment by doctor as soon as possible
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.

### 4.3. Indication of any immediate medical attention and special treatment needed

General Advice :	In case of accident or if you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

water, foam, carbon dioxide or dry agent

### 5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C  
Forms hazardous decomposition products  
CO,CO2  
HF may be formed under condition of fire

### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes



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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing and gloves.

### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

### 6.3. Methods and material for containment and cleaning up

Allow product to evaporate

### 6.4. Reference to other sections

For further information see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
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.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
Store in a well-ventilated place.  
Keep out of reach of children.

### 7.3. Specific end use(s)

Cleaners - Precision

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters



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**Exposure limits :**

Hazardous ingredient	CAS-nr.	method	
<b>National established exposure limits, United Kingdom</b>			
tetrafluoroethane	811-97-2	TWA	1000 ppm

**8.2. Exposure controls**

<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Compressed air mask.
<b>hands and skin :</b>	Wear suitable protective gloves against chemicals Insulating gloves
<b>eyes :</b>	Wear safety goggles.
<b>Environmental protection:</b>	Avoid release to the environment.
<b>Consumer exposure protection:</b>	Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

(for aerosols data for the product without propellant)

<b>Apperance : physical state :</b>	Liquified gas.
<b>colour :</b>	Colorless.
<b>odour :</b>	Perceptible odour.
<b>pH :</b>	Not applicable.
<b>Boiling point/range :</b>	Not available.
<b>Flash point :</b>	None
<b>Evaporation rate :</b>	Not available.
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Relative density :</b>	1.165 g/cm <sup>3</sup> (@ 20°C).
<b>Solubility in water :</b>	Not available.
<b>Auto-ignition :</b>	> 200 °C
<b>Viscosity :</b>	Not available.



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## 9.2. Other information

VOC: 1165 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.  
Avoid overheating

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2  
HF may be formed under condition of fire

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	Ingestion is unlikely to occur
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.

### Toxicological data :

No information available



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## SECTION 12: Ecological information

### 12.1. Toxicity

Not classified

### Ecotoxicological data:

No information available

### 12.2. Persistence and degradability

No experimental data available

### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil

No experimental data available

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

## SECTION 14: Transport information

### 14.1. UN number

UN-number : 1950



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#### 14.2. UN proper shipping name

Proper shipping name: AEROSOLS

#### 14.3. Transport hazard class(es)

Class: 2.2  
ADR/RID - Classification code: 5A

#### 14.4. Packing group

Packing group: Not applicable.

#### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally hazardous: No

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (E)  
IMDG - Ems: F-D, S-U  
IATA/ICAO - PAX: 203  
IATA/ICAO - CAO: 203

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

The Safety Data Sheet is compiled according to the current European requirements.  
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.  
Regulation (EC) No 1907/2006 (REACH)

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information





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

REVISIONS IN CHAPTRE : 8.2. Exposure controls

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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