

Productname : ÉLECTROFUGE 200 - ND
Ref.Nr.: BDS001129_3_20130705

Creationdate : 05.07.22 Version : 2.0
Replaces: BDS001129_20120117

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

1.1. Product identifier

ÉLECTROFUGE 200 - ND
Aerosol

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

Anti Corrosion Products

1.3. Details of the supplier of the safety data sheet

CRC Industries Europe bvba
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Belgium
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Fax.: +32(0)52/45.00.34
E-mail : hse@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Asemanrinne 13, 08500 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	Kryptongatan 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:	Aerosols, category 1 Extremely flammable aerosol. Pressurised container: May burst if heated.
Health:	Skin irritation, category 2



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	Causes skin irritation. Eye irritation, category 2 Causes serious eye irritation. Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness.
Environment:	Hazardous to the aquatic environment, chronic category 3 Harmful to aquatic life with long lasting effects.
Other hazards :	None

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

Health:	R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
Physical:	EXTREMELY FLAMMABLE
Environment:	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: hydrocarbons butanone; ethyl methyl ketone ethyl acetate
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Hazard pictogram(s):



Signal word:	Danger
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Hazard statement(s):	H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated. H315 : Causes skin irritation. H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness. H412 : Harmful to aquatic life with long lasting effects.
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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. P211 : Do not spray on an open flame or other ignition source. P251 : Do not pierce or burn, even after use. P261 : Avoid breathing dust/fume/gas/mist/vapours/spray. P271 : Use only outdoors or in a well-ventilated area. P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501-2 : Dispose of contents/container to an authorised waste collection point.
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Supplemental Hazard information:	None
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Remark: Preparations classified as harmful on the basis of an aspiration hazard need not be labelled as harmful with R65 when placed on the market in aerosol containers or in containers fitted with a sealed spray attachment. (EU-Directive 67/548 Annex VI 9.4)

2.3. Other hazards



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None

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
dimethyl ether	115-10-6	204-065-8	30-60	F+	12	A
ethyl acetate	141-78-6	205-500-4	5-10	F,Xi	11-36-66-67	B
butanone; ethyl methyl ketone	78-93-3	201-159-0	5-10	F,Xi	11-36-66-67	A
Naphtha (petroleum), hydrotreated light	64742-49-0	931-254-9	5-10	F,Xn,N	11-38-51/53-65-67	B,P
2-Propanol, 1-ethoxy-, acetate	54839-24-6	259-370-9	1-5		10-67	
xylene	1330-20-7	215-535-7	<12.5	Xn	10-20/21-38	A
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	203-961-6	<0.1	Xi	36	A
2-octyl-2H-isothiazol-3-one	26530-20-1	247-761-7	<0.05	T,N	22-23/24-34-43-50/53	
Explanation notes						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						
P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)						

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dimethyl ether	01-2119472128-37	115-10-6	204-065-8	30-60	Flam. Gas 1, Press. Gas	H220,H280	A
ethyl acetate		141-78-6	205-500-4	5-10	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
butanone; ethyl methyl ketone		78-93-3	201-159-0	5-10	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	A
Naphtha (petroleum), hydrotreated light	01-2119484651-34	64742-49-0	931-254-9	5-10	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H225,H315,H336,H304,H411	B,P
2-Propanol, 1-ethoxy-, acetate		54839-24-6	259-370-9	1-5	Flam. Liq. 3, STOT SE 3	H226,H336	
xylene		1330-20-7	215-535-7	<12.5	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2	H226,H332,H312,H315	A
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether		112-34-5	203-961-6	<0.1	Eye Irrit. 2	H319	A
2-octyl-2H-isothiazol-3-one		26530-20-1	247-761-7	<0.05	Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic	H331,H311,H302,H314,H317,H400,H410	



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				Chronic 1		
Explanation notes						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						
P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)						
(* Explanation phrases : see chapter 16)						

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes :	If substance has got into eyes, immediately wash out with water for at least 15 minutes Seek immediate medical attention
Contact with skin :	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical advice
Inhalation :	Fresh air, keep warm and at rest. Seek medical attention if ill effects occur
Ingestion :	If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

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 :	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	Irritating to skin Symptoms : redness and pain
Eye contact :	Irritating to eyes Symptoms : redness and pain, impaired vision

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

General Advice :	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

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



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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

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
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container
This material and/or its container must be disposed of as hazardous waste.

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
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities



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Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep out of reach of children.

7.3. Specific end use(s)

Anti Corrosion Products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm
		STEL	15 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
butanone; ethyl methyl ketone	78-93-3	TWA	200 ppm
		STEL	300 ppm
National established exposure limits, United Kingdom			
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
ethyl acetate	141-78-6	TWA	200 ppm
		STEL	400 ppm
butanone; ethyl methyl ketone	78-93-3	TWA	200 ppm
		STEL	300 ppm

8.2. Exposure controls

Control procedures :

Ensure adequate ventilation
Keep away from heat and sources of ignition
Take precautionary measures against static discharges

Personal protection :

Take precautions to avoid contact with skin and eyes when handling the product.

inhalation :

Ensure adequate ventilation
In case of insufficient ventilation, wear suitable respiratory equipment.
Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)

hands and skin :

Wear suitable protective gloves against chemicals
(butyl rubber)



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eyes : Wear safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Apperance : physical state : DME propelled liquid.
colour : Colourless to yellow.
odour : Characteristic odor.
pH : Not applicable.
Boiling point/range : Not available.
Flash point : < 0 °C
Evaporation rate : Not available.
Explosion limits : upper limit : Not available.
lower limit : Not available.
Vapour pressure : Not available.
Relative density : 0.88 g/cm³ (@ 20°C).
Solubility in water : Insoluble in water
Auto-ignition : > 200 °C
Viscosity : Not available.

9.2. Other information

VOC: 675 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

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent



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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 :	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
Skin contact :	Irritating to skin
Eye contact :	Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
ethyl acetate	141-78-6	LD50 oral rat	5620 mg/kg
		LC50 inhal.rat	30 mg/l
		LD50 derm.rabit	> 20000 mg/kg
butanone; ethyl methyl ketone	78-93-3	LD50 oral rat	> 2000 mg/kg
Naphtha (petroleum), hydrotreated light	64742-49-0	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 3000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
ethyl acetate	141-78-6	IC50 algae	5600 mg/l
		LC50 fish	230 mg/l
		EC50 daphnia	610 mg/l
Naphtha (petroleum), hydrotreated light	64742-49-0	IC50 algae	55 mg/l
		LC50 fish	> 1 mg/l
		EC50 daphnia	3.87 mg/l



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12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Insoluble in water

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

14.2. UN proper shipping name

Proper shipping name: AEROSOLS

14.3. Transport hazard class(es)

Class: 2.1
ADR/RID - Classification code: 5F

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards



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

14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)
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.
EU-directive 99/45/EC
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases:

- R10: Flammable.
- R11: Highly flammable.
- R12: Extremely flammable.
- R22: Harmful if swallowed.
- R34: Causes burns.
- R36: Irritating to eyes.
- R38: Irritating to skin.
- R43: May cause sensitization by skin contact.
- R65: Harmful: may cause lung damage if swallowed.
- R66: Repeated exposure may cause skin dryness or cracking.
- R67: Vapours may cause drowsiness and dizziness.
- R20/21: Harmful by inhalation and in contact with skin.
- R23/24: Toxic by inhalation and in contact with skin.
- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in



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the aquatic environment.

*Explanation hazard statements:

- H220 : Extremely flammable gas.
- H225 : Highly flammable liquid and vapour.
- H226 : Flammable liquid and vapour.
- H280 : Contains gas under pressure; may explode if heated.
- H302 : Harmful if swallowed.
- H304 : May be fatal if swallowed and enters airways.
- H311 : Toxic in contact with skin.
- H312 : Harmful in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H315 : Causes skin irritation.
- H317 : May cause an allergic skin reaction.
- H319 : Causes serious eye irritation.
- H331 : Toxic if inhaled.
- H332 : Harmful if inhaled.
- H336 : May cause drowsiness or dizziness.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.
- H411 : Toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : 2.2. Label elements

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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