

Productname : Inox 200
Ref.Nr.: BDS001167_3_20131125

Creationdate : 25.11.13 Version : 2.0
Replaces: BDS001167_20120124

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

1.1. Product identifier

Inox 200
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

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Belgium
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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: Specific Target Organ Toxicity - Repeated Exposure Category 2



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	May cause damage to organs through prolonged or repeated exposure . Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness.
Environment:	Not classified
Other hazards :	Repeated exposure may cause skin dryness or cracking. Contains: nickel May produce an allergic reaction.

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

EXTREMELY FLAMMABLE

Health:	R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
Physical:	EXTREMELY FLAMMABLE
Environment:	Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: n-butyl acetate
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Hazard pictogram(s):	  
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Signal word:	Danger
Hazard statement(s):	H222 : Extremely flammable aerosol. H229 : Pressurised container: May burst if heated. H373-1 : May cause damage to organs through prolonged or repeated exposure if inhaled. H336 : May cause drowsiness or dizziness.
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. P260 : Do not breathe dust/fume/gas/mist/vapours/spray. P271 : Use only outdoors or in a well-ventilated area. P314 : Get medical advice/attention if you feel unwell. 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.
Supplemental Hazard information:	Repeated exposure may cause skin dryness or cracking. Contains: nickel May produce an allergic reaction.

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	50-75	F+	12	A
n-butyl acetate	123-86-4	204-658-1	10-25		10-66-67	
xylene	1330-20-7	215-535-7	2.5-5	Xn	10-20/21-38	A
nickel	7440-02-0	231-111-4	<1	T	40-43-48/23-52/53	B
4-hydroxy-4-methylpentan-2-one; diacetone alcohol	123-42-2	204-626-7	0-2.5	Xi	36	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	0-2.5	F,Xi	11-36-67	B
Explanation notes						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						

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	50-75	Flam. Gas 1, Press. Gas	H220,H280	A
n-butyl acetate	01-2119485493-29	123-86-4	204-658-1	10-25	Flam. Liq. 3, STOT SE 3	H226,H336	
xylene	01-2119488216-32	1330-20-7	215-535-7	2.5-5	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1	H226,H312,H332,H315,H319,H335,H373,H304	A
nickel		7440-02-0	231-111-4	<1	Carc. 2, STOT RE 1, Skin Sens. 1, Aquatic Chronic 3	H351,H372,H317,H412	B
4-hydroxy-4-methylpentan-2-one; diacetone alcohol	01-2119473975-21	123-42-2	204-626-7	0-2.5	Flam. Liq. 3, Eye Irrit. 2, STOT SE 3	H226,H319,H335	
propan-2-ol; isopropyl alcohol ;isopropanol	01-2119457558-25	67-63-0	200-661-7	0-2.5	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
Explanation notes							
A : substance with Community workplace exposure limit							
B : substance with national established workplace exposure limit							

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures



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Contact with eyes :	If substance has got into eyes, immediately wash out with plenty of water Seek medical advice
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 :	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion :	If swallowed accidentally, do not induce vomiting and seek medical advice.

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

Inhalation :	Harmful by inhalation. Symptoms : sore throat, cough, shortness of breath, headache
Ingestion :	May induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	Harmful in contact with skin Irritating to skin Symptoms : redness and pain
Eye contact :	Irritating to eyes Symptoms : redness and pain

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
CO,CO2

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



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Use only outdoors or in a well-ventilated area.
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

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.
Use only outdoors or in a well-ventilated area.
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any incompatibilities

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



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EU established exposure limits:			
dimethyl ether	115-10-6	TWA	1000 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
National established exposure limits, United Kingdom			
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm
xylene	1330-20-7	TWA	50 ppm
		STEL	100 ppm

8.2. Exposure controls

Control procedures :	Use only outdoors or in a well-ventilated area. 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. Ensure adequate ventilation
inhalation :	In case of insufficient ventilation, wear suitable respiratory equipment. (filter AXP2)
hands and skin :	Wear suitable protective gloves against chemicals (nitrile)
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 :	Grey.
odour :	Solvent.
pH :	Not applicable.
Boiling point/range :	Not available.
Flash point :	- 41 °C (Closed Cup)
Evaporation rate :	Not available.
Explosion limits : upper limit :	22.8 %
lower limit :	2.9 %
Vapour pressure :	Not available.
Relative density :	0.783 g/cm ³ (@ 20°C).
Solubility in water :	Insoluble in water
Auto-ignition :	275 °C
Viscosity :	23 Sec (ASTM CF 4).

9.2. Other information



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VOC: 697 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

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation :	Harmful by inhalation.
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	Harmful in contact with skin
	Irritating to skin
Eye contact :	May cause irritation.

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
n-butyl acetate	123-86-4	LD50 oral rat	> 2000 mg/kg
		LC50 inhal.rat	> 20 mg/l
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 5000 mg/kg



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SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
n-butyl acetate	123-86-4	IC50 algae	647 mg/l
		LC50 fish	18 mg/l
		EC50 daphnia	44 mg/l
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	IC50 algae	> 1000 mg/l
		LC50 fish	> 1000 mg/l
		EC50 daphnia	> 1000 mg/l

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information 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



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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

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.
Regulation (EC) No 1272/2008 (CLP)
EU-directive 99/45/EC
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available



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SECTION 16: Other information

- *Explanation risk-phrases:
- R10: Flammable.
 - R11: Highly flammable.
 - R12: Extremely flammable.
 - R36: Irritating to eyes.
 - R38: Irritating to skin.
 - R40: Limited evidence of a carcinogenic effect.
 - R43: May cause sensitization by skin contact.
 - 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.
 - R48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation.
 - R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in 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.
 - H304 : May be fatal if swallowed and enters airways.
 - H312 : Harmful in contact with skin.
 - H315 : Causes skin irritation.
 - H317 : May cause an allergic skin reaction.
 - H319 : Causes serious eye irritation.
 - H332 : Harmful if inhaled.
 - H335 : May cause respiratory irritation.
 - H336 : May cause drowsiness or dizziness.
 - H351 : Suspected of causing cancer .
 - H372 : Causes damage to organs through prolonged or repeated exposure .
 - H373 : May cause damage to organs through prolonged or repeated exposure .
 - H412 : Harmful to aquatic life with long lasting effects.
- REVISIONS IN CHAPTRE :
- 2.2. Label elements
 - 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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