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Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : Flux sk 10

Creationdate : 03.07.14 Version : 2.0

Ref.Nr.: BDS001132_3_20140703 (EN)

Replaces: BDS001132_20120118

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

1.1. Product identifier

Flux sk 10
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
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	
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

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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.

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Fax (+32) (0) 52 / 45 00 34 – www.crcind.com

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Pressurised container: May burst if heated.
Eye irritation, category 2
Causes serious eye irritation.
Skin sensitization, category 1
May cause an allergic skin reaction.
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 : Repeated exposure may cause skin dryness or cracking.

EXTREMELY FLAMMABLE

Xi : IRRITANT

Health:**Physical:****Environment:****Classification according to 67/548/EEC or 1999/45/EC:**

R43: May cause sensitization by skin contact.

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R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

EXTREMELY FLAMMABLE

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:

propan-2-ol; isopropyl alcohol ;isopropanol
acetone; propan-2-one; propanone**Hazard pictogram(s):****Signal word:**

Danger

Hazard statement(s):

H222 : Extremely flammable aerosol.

H229 : Pressurised container: May burst if heated.

H319 : Causes serious eye irritation.

H317 : May cause an allergic skin reaction.

H336 : May cause drowsiness or dizziness.

H412 : Harmful to aquatic life with long lasting effects.

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.

P280 : Wear protective gloves/protective clothing/eye protection/face

protection.

P333/313 : If skin irritation or rash occurs: Get medical advice/attention.

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.

2.3. Other hazards

None



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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
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	25-50	F,Xi	11-36-67	B
acetone; propan-2-one; propanone	67-64-1	200-662-2	25-50	F,Xi	11-36-66-67	A
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	10-25		10-67	A
carbon dioxide	124-38-9	204-696-9	5-10	-	-	A,G
Rosin, colophony	8050-09-7	232-475-7	5-10	Xi	43	
Naphtha (petroleum), hydrotreated light	64742-49-0	921-024-6	5-10	F,Xn,N	11-38-51/53-65-67	B

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
propan-2-ol; isopropyl alcohol ;isopropanol	01-2119457558-25	67-63-0	200-661-7	25-50	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
acetone; propan-2-one; propanone	01-2119471330-49	67-64-1	200-662-2	25-50	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	A
1-methoxy-2-propanol; monopropylene glycol methyl ether	01-2119457435-35	107-98-2	203-539-1	10-25	Flam. Liq. 3, STOT SE 3	H226,H336	A
carbon dioxide		124-38-9	204-696-9	5-10	Press. Gas	H280	A,G
Rosin, colophony		8050-09-7	232-475-7	5-10	Skin Sens. 1	H317	
Naphtha (petroleum), hydrotreated light	01-2119475514-35	64742-49-0	921-024-6	5-10	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2	H225,H315,H336,H304,H411	B

Explanation notes

A : substance with Community workplace exposure limit



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B : substance with national established workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)(a) of REACH Regulation No 1907/2006

(* 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
Contact with skin :	Seek medical advice Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
Inhalation :	Seek medical advice Fresh air, keep warm and at rest.
Ingestion :	Seek medical attention if ill effects occur 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 May cause sensitisation by skin contact.
Eye contact :	Symptoms : redness and pain 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



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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
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

Absorb spillage in suitable inert material

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



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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.

7.2. Conditions for safe storage, including any incompatibilities

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

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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:			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
carbon dioxide	124-38-9	TWA	5000 ppm
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm
National established exposure limits, United Kingdom			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
carbon dioxide	124-38-9	TWA	5000 ppm
		STEL	15000 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm
		STEL	1500 ppm

8.2. Exposure controls



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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
hands and skin : AX)
eyes : Wear suitable protective gloves against chemicals
(nitrile)
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 : CO2 propelled

liquid. colour : Colourless to yellow. **odour :**

Solvent. 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 : 0.82 g/cm³ (@ 20°C).

Solubility in water : Insoluble in water

Auto-ignition : > 200 °C **Viscosity :** Not applicable.

9.2. Other information

VOC: 700 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity



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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

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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 : May cause sensitisation by skin contact.
Irritating to skin

Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient

CAS-nr.

method



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1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LD50 oral rat	4016 mg/kg
		LC50 inhal.rat	27596 mg/l
		LD50 derm.rabit	2000 mg/kg
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
acetone; propan-2-one; propanone	67-64-1	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 20 mg/l
		LD50 derm.rabit	> 2000 mg/kg
Naphtha (petroleum), hydrotreated light	64742-49-0	LD50 oral rat	> 5000 mg/kg
		LC50 inhal.rat	> 25000 mg/m3
		LD50 derm.rat	> 2000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 3 Harmful to aquatic life with long lasting effects.

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	LC50 fish	6812 mg/l
		EC50 daphnia	23300 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
acetone; propan-2-one; propanone	67-64-1	IC50 algae	> 100 mg/l
		LC50 fish	> 100 mg/l
		EC50 daphnia	> 100 mg/l
Naphtha (petroleum), hydrotreated light	64742-49-0	LC50 fish	> 10 mg/l
		EC50 daphnia	3 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)



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

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

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

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



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SECTION 16: Other information

*Explanation risk-phrases:

R10: Flammable.

R11: Highly flammable.

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.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Explanation hazard statements: 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.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

H319 : Causes serious eye irritation.

H336 : May cause drowsiness or dizziness.

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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