



HESTORE.HU

elektronikai alkatrész áruház

EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Positiv 20
Aerosol

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

Photo-sensitive lacquer

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

Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

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.

**CRC Industries Europe bvba**Touwslagerstraat 1, 9240 Zele – Belgium Tel (+32) (0) 52 / 45 60 11 –
Fax (+32) (0) 52 / 45 00 34 – www.crcind.com**1 / 10****Health:**

Pressurised container: May burst if heated.
Eye irritation, category 2
Causes serious eye irritation.
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.

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

R36: Irritating to eyes.
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:
acetone; propan-2-one; propanone

**CRC Industries Europe bvba**Touwslagerstraat 1, 9240 Zele Belgium
Tel (+32) (0) 52 / 45 60 11 – Fax (+32) (0) 52 / 45 00 34 – www.crcind.com**2 / 14**

Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

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.
 H336 : May cause drowsiness or dizziness.
 P102 : Keep out of reach of children.

Precautionary statement(s):

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 °C/122°F.
 P501-2 : Dispose of contents/container to an authorised waste collection point.

Repeated exposure may cause skin dryness or cracking.

Supplemental Hazard information:

50

2.3. Other hazards

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	25-50	F+	12	A
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	5-10		10-67	A



Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

2-methoxy-1-methylethyl acetate	108-65-6	203-603-9	5-10		10	A
n-butyl acetate	123-86-4	204-658-1	1-5		10-66-67	
Explanation notes						
A : substance with Community workplace exposure limit						

Hazardous ingredient	Registration number	CASnr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
dimethyl ether	01-2119472128-37	115-10-6	204-065-8	25-50	Flam. Gas 1, Press. Gas	H220,H280	A
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	5-10	Flam. Liq. 3, STOT SE 3	H226,H336	A
2-methoxy-1-methylethyl acetate	01-21110475791-29	108-65-6	203-603-9	5-10	Flam. Liq. 3	H226	A
n-butyl acetate	01-2119485493-29	123-86-4	204-658-1	1-5	Flam. Liq. 3, STOT SE 3	H226,H336	
Explanation notes							
A : substance with Community workplace exposure limit							

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes :	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Contact with skin :	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
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



Productname : Positiv 20**Creationdate :** 06.09.13 Version : 2.0**Ref.Nr.:** BDS000793_3_20130906**Replaces:** BDS000793_20111110

Inhalation :	Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion :	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	May cause irritation. 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

SECTION 5: Firefighting measures**5.1. Extinguishing media**

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixtureAerosols 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**

Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

Do not allow to enter public sewers and watercourses

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



CRC Industries Europe bvba

Touwslagerstraat 1, 9240 Zele Belgium

Tel (+32) (0) 52 / 45 60 11 – Fax (+32) (0) 52 / 45 00 34 – www.crcind.com

6 / 14

Productname : Positiv 20	Creationdate : 06.09.13 Version : 2.0
Ref.Nr.: BDS000793_3_20130906	Replaces: BDS000793_20111110

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. 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

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)

Photo-sensitive lacquer

SECTION 8: Exposure controls/personal protection



Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

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
2-methoxy-1-methylethyl acetate	108-65-6	TWA	50 ppm
		STEL	100 ppm
dimethyl ether	115-10-6	TWA	1000 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
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 ppm
n-butyl acetate	123-86-4	TWA	150 ppm
		STEL	200 ppm
acetone; propan-2-one; propanone	67-64-1	TWA	500 ppm
		STEL	1500 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. Ensure adequate ventilation
inhalation :	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)
eyes :	Wear safety goggles.
Environmental protection:	Avoid release to the environment. Collect spillage.

SECTION 9: Physical and chemical properties

Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Apperance : physical state : DME propelled liquid.

colour : Blue. **odour :** Solvent. **pH :** Not applicable.

Boiling point/range : Not available. **Flash point**

: < 0 °C (Closed Cup) Evaporation rate :

Not available. **Explosion limits : upper limit :** Not

available. **lower limit :** Not available. **Vapour**

pressure : Not available.

Relative density : 0.87 g/cm³ (@ 20°C).

Solubility in water : Insoluble in water

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

9.2. Other information

VOC: 785 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

Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Ingestion : May cause gastrointestinal disturbances **Skin contact :** May cause irritation.

Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
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
2-methoxy-1-methylethyl acetate	108-65-6	LD50 oral rat	> 5000 mg/kg
		LD50 derm.rabit	> 5000 mg/kg
n-butyl acetate	123-86-4	LD50 oral rat	> 2000 mg/kg
		LC50 inhal.rat	> 20 mg/l
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

SECTION 12: Ecological information**12.1. Toxicity**

Not classified



Productname : Positiv 20

Creationdate : 06.09.13 Version : 2.0

Ref.Nr.: BDS000793_3_20130906

Replaces: BDS000793_20111110

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
2-methoxy-1-methylethyl acetate	108-65-6	LC50 fish	> 100 mg/l
		EC50 daphnia	> 400 mg/l
n-butyl acetate	123-86-4	IC50 algae	647 mg/l
		LC50 fish	18 mg/l
		EC50 daphnia	44 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

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

Productname : Positiv 20**Creationdate :** 06.09.13 Version : 2.0**Ref.Nr.:** BDS000793_3_20130906**Replaces:** BDS000793_20111110**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.

National regulations : 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

ADR/RID - Environmentally



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

14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)

Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : Positiv 20 **Creationdate :** 06.09.13 Version : 2.0
Ref.Nr.: BDS000793_3_20130906 **Replaces:** BDS000793_20111110

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 1272/2008 (CLP)
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

R10: Flammable.
R11: Highly flammable.
R12: Extremely flammable.
R36: Irritating to eyes.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.



*Explanation risk-phrases:

*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.
H319 : Causes serious eye irritation.
H336 : May cause drowsiness or dizziness.

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.

Apart from any fair dealing for purposes of study, research and review risks, no part of these documents may be reproduced by any process without

REVISIONS IN CHAPTRE :

of health, safety and environmental written permission from CRC.

