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

**KONTAKT PCC**  
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	Smedsgatan 3-5 LT4, PL62, 08101 LOJO	+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	Laxfiskevägen 16, 433 38 Partille	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

**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

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Extremely flammable aerosol.  
Pressurised container: May burst if heated.

Classification is based on test data.

**Health:** Eye irritation, category 2  
Causes serious eye irritation.  
Specific target organ toxicity - single exposure, category 3  
May cause drowsiness or dizziness.

Classification based on calculation method.

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

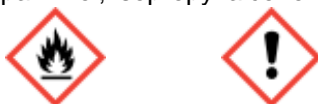
Classification based on calculation method.

## 2.2. Label elements

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

**Product identifier:** Contains:  
propan-2-ol; isopropyl alcohol ;isopropanol

**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.  
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.  
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.

**Regulation (EC) No 648/2004 on detergents:** aliphatic hydrocarbons 15 - 30 %

## 2.3. Other hazards

No information available

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**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable.

**3.2. Mixtures**

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
ethanol; ethyl alcohol	01-2119457610-43	64-17-5	200-578-6	10-25	Flam. Liq. 2, Eye Irrit. 2	H225,H319	B,X,W
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane	01-2119486291-36	-	(926-605-8)	10-25	Flam. Liq. 2, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2	H225,H304,H336,H411	B,Q
methylal	01-2119664781-31	109-87-5	203-714-2	5-10	Flam. Liq. 2	H225	B
carbon dioxide	-	124-38-9	204-696-9	5-10	Press. Gas	H280	A,G
1-ethoxypropan-2-ol	01-2119462792-32	1569-02-4	216-374-5	5-10	Flam. Liq. 3, Eye Irrit. 2, STOT SE 3	H226,H319,H336	
methanol	01-2119433307-44	67-56-1	200-659-6	<1	Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1	H225,H331,H311,H301,H370	A,X
butanone; ethyl methyl ketone	01-2119457290-43	78-93-3	201-159-0	<1	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	A

**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)of REACH Regulation No 1907/2006

Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.

W : Note: substance mentioned on the list of CMR-substances of the Dutch Ministry of Social Affairs and Employment (SZW)

X : SCL (specific concentration limit)in accordance with art.10 of CLP Regulation No 1272/2008

(\* 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.



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**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 :** 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 mixture

Aerosols may explode if heated above 50°C  
Forms hazardous decomposition products  
CO,CO<sub>2</sub>

#### 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.



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## 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.  
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)

Cleaners - Precision

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

**Exposure limits :**



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Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
carbon dioxide	124-38-9	TWA	9000 mg/m3
		STEL	mg/m3
methanol	67-56-1	TWA	200 ppm
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
butanone; ethyl methyl ketone	78-93-3	TWA	200 ppm
		STEL	300 ppm
<b>National established exposure limits, United Kingdom</b>			
methylal	109-87-5	TWA	1000 ppm
		STEL	1250 ppm
carbon dioxide	124-38-9	TWA	5000 ppm
		STEL	15000 ppm
ethanol; ethyl alcohol	64-17-5	TWA	1000 ppm
methanol	67-56-1	TWA	200 ppm
		STEL	250 ppm
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
butanone; ethyl methyl ketone	78-93-3	TWA	200 ppm
		STEL	300 ppm
<b>National established exposure limits, Ireland</b>			
methylal	109-87-5	TWA	1000 ppm
		STEL	-
carbon dioxide	124-38-9	TWA	5000 ppm
		STEL	15000 ppm
ethanol; ethyl alcohol	64-17-5	STEL	1000 ppm
methanol	67-56-1	TWA	200 ppm
		STEL	-
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	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.  
 Ensure adequate ventilation  
 Wear suitable protective gloves

### inhalation :

In case of insufficient ventilation, wear suitable respiratory equipment.

### recommended respiratory protection:

Air purifying respirator equipped with organic gas/vapor cartridge (type AX)

### hands and skin :

When handling the product wear chemical-resistant gloves (standard EN



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The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.

Recommended gloves:

Nitrile

**eyes :**

Wear safety eyewear according to EN 166.

**Environmental protection:**

Avoid release to the environment.

Collect spillage.

## 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>	CO2 propelled liquid.
<b>colour :</b>	Colorless.
<b>odour :</b>	Solvent.
<b>pH :</b>	Not applicable.
<b>Boiling point/range :</b>	42-132 °C
<b>Flash point :</b>	- 20 °C (Closed Cup)
<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>	0.79 g/cm3 (@ 20°C).
<b>Solubility in water :</b>	Insoluble in water
<b>Auto-ignition :</b>	> 200 °C
<b>Viscosity :</b>	1.17 mPa.s (@ 20°C).

### 9.2. Other information

VOC = volatile organic compounds 750 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



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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

<b>acute toxicity:</b>	based on available data the classification criteria are not met
<b>skin corrosion/irritation:</b>	based on available data the classification criteria are not met
<b>serious eye damage/irritation:</b>	Causes serious eye irritation.
<b>respiratory or skin sensitisation:</b>	based on available data the classification criteria are not met
<b>germ cell mutagenicity:</b>	based on available data the classification criteria are not met
<b>carcinogenicity:</b>	based on available data the classification criteria are not met
<b>toxicity for reproduction:</b>	based on available data the classification criteria are not met
<b>STOT-single exposure:</b>	May cause drowsiness or dizziness.
<b>STOT repeated exposure:</b>	based on available data the classification criteria are not met
<b>aspiration hazard:</b>	based on available data the classification criteria are not met

#### Information on likely routes of exposure:

<b>Inhalation :</b>	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	May cause gastrointestinal disturbances
<b>Skin contact :</b>	May cause irritation.
<b>Eye contact :</b>	Irritating to eyes

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
methylal	109-87-5	LD50 oral rat	6423 mg/kg
		LD50 derm.rabit	> 5000 mg/kg
1-ethoxypropan-2-ol	1569-02-4	LD50 oral rat	> 2000 mg/kg
		LC50 inhal.rat	> 9.59 mg/l





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		LD50 derm.rabit	> 2000 mg/kg
ethanol; ethyl alcohol	64-17-5	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rabit	> 2000 mg/kg
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	LD50 oral rat	5840 mg/kg
		LC50 inhal.rat	> 25000 mg/l
		LD50 derm.rabit	13900 mg/kg
butanone; ethyl methyl ketone	78-93-3	LD50 oral rat	> 2000 mg/kg
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane	-	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

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

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
methylal	109-87-5	LC50 fish	> 1000 mg/l
		EC50 daphnia	> 1000 mg/l
1-ethoxypropan-2-ol	1569-02-4	IC50 algae	> 100 mg/l
		LC50 fish	6812 mg/l
		EC50 daphnia	1929 mg/l
ethanol; ethyl alcohol	64-17-5	LC50 fish	> 100 mg/l
		propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0
		LC50 fish	9640 mg/l
		EC50 daphnia	9714 mg/l
Hydrocarbons, C6-C7, isoalkanes, cyclics, < 5% n-hexane	-	IC50 algae	55 mg/l
		LC50 fish	12 mg/l
		EC50 daphnia	3 mg/l

### 12.2. Persistence and degradability

No experimental data available

### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil



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Insoluble in water

**12.5. Results of PBT and vPvB assessment**

No information available

**12.6. Other adverse effects**No experimental data available  
GWP (global warming potential): 0**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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  
hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally  
hazardous: No**14.6. Special precautions for user**

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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 MARPOL 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.  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)  
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation hazard statements: H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H280 : Contains gas under pressure; may explode if heated.  
H301 : Toxic if swallowed.  
H304 : May be fatal if swallowed and enters airways.  
H311 : Toxic in contact with skin.  
H319 : Causes serious eye irritation.  
H331 : Toxic if inhaled.  
H336 : May cause drowsiness or dizziness.  
H370 : Causes damage to organs .  
H411 : Toxic to aquatic life with long lasting effects.

acronyms and synonyms: TWA = time weight average  
STEL = short time exposure limit  
VOC = volatile organic compounds  
PBT = persistent bioaccumulative toxic  
vPvB = very persistent very bioaccumulative

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 of health, safety and environmental



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