Regulation EC No 1907/2006 Art.31

Productname:

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Ref.Nr.:

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Creationdate : Replaces:

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

1.1. Product identifier

URETHAN 71

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 byba 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 INDUSTR. 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

Extremely flammable aerosol.



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Pressurised container: May burst if heated.

Classification is based on test data.

Health: Skin irritation, category 2
Causes skin irritation.
Eye irritation, category 2

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:

hydrocarbons

Hazard pictogram(s):





Signal word: Danger

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. **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.

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances



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Not applicable.

3.2. Mixtures

Hazardous ingredient	Registration number	CAS- nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3- butadiene < 0.1%)	01- 2119485926- 20	68512- 91-4	270- 990-9	25-50	Press. Gas, Flam. Gas 1	H280,H220	K,G
Naphtha (petroleum), hydrotreated heavy	01- 2119463258- 33	64742- 48-9	265- 150-3	10-25	Flam. Liq. 3, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1	H226,H315,H336,H304	В,Р
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	01- 2119463258- 33	-	(919- 857- 5)	10-25	Flam. Liq. 3, Asp. Tox. 1, STOT SE 3	H226,H304,H336	B,Q
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	01- 2119475514- 35	-	(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,Q
butan-1-ol; n-butanol	01- 2119484630- 38	71-36- 3	200- 751-6	<1	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3	H226,H302,H315,H318,H335,H336	В
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	01- 2119539477- 28	96-29- 7	202- 496-6	<0.05	Carc. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1	H351,H312,H318,H317	В
Explanation notes							
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							

K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8) P: not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)

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

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 do not induce vomiting because of risk of aspiration into the



^{(*} Explanation phrases : see chapter 16)

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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

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

Do not use water jet extinguishing media, due to the risk of spreading fire.

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



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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

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)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits:

No information available



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8.2. Exposure controls

Control procedures: Ensure adequate ventilation

Keep away from heat and sources of ignition

Take precautionary measures against static discharges

Take precautions to avoid contact with skin and eyes when handling the Personal protection:

product.

Ensure adequate ventilation

In all cases handle and use the product in accordance with good industrial

hygiene practices.

inhalation: In case of insufficient ventilation, wear suitable respiratory equipment.

recommended respiratory protection: Air purifying respirator equiped with organic gas/vapor cartridge (type AX)

When handling the product wear chemical-resistant gloves (standard EN hands and skin:

374).

Recommended gloves: Nitrile

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.

Depending on amount and duration of use and the risk of contact with the product the gloves manufacturer can assist you in the selection of the right

glove material and breakthrough time.

eves: 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)

Apperance : physical state : Propane/butane propelled liquid.

colour: Colourless to yellow.

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: 0.825 g/cm3 (@ 20°C).

Solubility in water: Insoluble in water

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

9.2. Other information

VOC = volatile organic 565 g/l



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compounds

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

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

Information on likely routes of exposure:



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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 skinEye contact :Irritating to eyes

Toxicological data:

Hazardous ingredient	CAS-nr.	method	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rabit	> 2000 mg/kg
butan-1-ol; n-butanol	71-36-3	LD50 oral rat	2292 mg/kg
		LC50 inhal.rat	> 17.76 mg/l
		LD50 derm.rabit	3430 mg/kg
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	LD50 oral rat	2326 mg/kg
		LD50 derm.rabit	1000 mg/kg
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	LD50 oral rat	>5000 mg/kg
		LC50 inhal.rat	4951 mg/m3
		LD50 derm.rabit	>5000 mg/kg
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	-	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	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	IC50 algae	> 1000 mg/l
		LC50 fish	> 1000 mg/l
butan-1-ol; n-butanol	71-36-3	LC50 fish	1376 mg/l
		EC50 daphnia	1328 mg/l
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	IC50 algae	11.8 mg/l
		LC50 fish	> 100 mg/l
		EC50 daphnia	201 mg/l
Hydrocarbons, C6-C7, n-alkanes,isoalkanes,cyclics,< 5% n-hexane	-	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

No experimental data available

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



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Packing group:

Not applicable.

14.5. Environmental hazards

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

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 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: 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.

H312 : Harmful in contact with skin.

H315 : Causes skin irritation.

H317: May cause an allergic skin reaction.

H318 : Causes serious eye damage.



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H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H351: Suspected of causing cancer.

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 = persistant bioaccumulative toxic vPvB = very persitant 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.

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