

Productname : PU Foam Fast Grip
 Ref.Nr.: BDS001753_3_20150527 (EN)

Creationdate : 27.05.15 Version : 1.0
 Replaces:

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

1.1. Product identifier

PU Foam Fast Grip
 Aerosol

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

Sealants and Isolation

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	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.
 Pressurised container: May burst if heated.

Health: Respiratory sensitization, category 1



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May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 Skin sensitization, category 1
 May cause an allergic skin reaction.
 Carcinogenicity, category 2
 Suspected of causing cancer .
 Effects on or via Lactation
 May cause harm to breast-fed children.
 Specific Target Organ Toxicity - Repeated Exposure Category 2
 May cause damage to organs through prolonged or repeated exposure .
 Specific target organ toxicity - single exposure, category 3
 May cause respiratory irritation.
 Acute toxicity, category 4
 Harmful if inhaled.
 Skin irritation, category 2
 Causes skin irritation.
 Eye irritation, category 2
 Causes serious eye irritation.
Environment: Hazardous to the aquatic environment, chronic category 4
 May cause long lasting harmful effects to aquatic life.

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

EXTREMELY FLAMMABLE

Xn : HARMFUL

Health:

R20: Harmful by inhalation.
 R40: Limited evidence of a carcinogenic effect.
 R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R42/43: May cause sensitization by inhalation and skin contact.
 R36/37/38: Irritating to eyes, respiratory system and skin.
 R64: May cause harm to breastfed babies.

Physical:

EXTREMELY FLAMMABLE

Environment:

R53: 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:
 diphenylmethandiisocyanate, isomeres and homologues

Hazard pictogram(s):**Signal word:** Danger**Hazard statement(s):**

H222 : Extremely flammable aerosol.
 H229 : Pressurised container: May burst if heated.
 H332 : Harmful if inhaled.
 H315 : Causes skin irritation.
 H319 : Causes serious eye irritation.
 H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317 : May cause an allergic skin reaction.

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	H351 : Suspected of causing cancer . H362 : May cause harm to breast-fed children. H335 : May cause respiratory irritation. H373 : May cause damage to organs through prolonged or repeated exposure .
Precautionary statement(s):	H413 : May cause long lasting harmful effects to aquatic life. 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. P285 : In case of inadequate ventilation wear respiratory protection. P304/341 : IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P342/311 : If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. 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:	Contains isocyanates. May produce an allergic reaction. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3. Other hazards

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
 Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
 This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

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
diphenylmethandiisocyanate, isomeres and homologues	9016-87-9	202-966-0	30-50	Xn	20-40-48/20-42/43-36/37/38	
dimethyl ether	115-10-6	204-065-8	5-10	F+	12	A
tris (2-chloro-1-methylethyl)-phosphate	1244733-77-4	911-815-4	5-10	Xn	22	



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Castor oil	8001-79-4	232-293-8	5-10	Xi	38	G
Alkanes, C14-17, chloro	85535-85-9	287-477-0	5-10	N	64-66-50/53	
ethanediol; ethylene glycol	107-21-1	203-473-3	1-5	Xn	22	A
propane	74-98-6	200-827-9	1-5	F+	12	B
isobutane (<= 0,1 % butadiene)	75-28-5	200-857-2	1-5	F+	12	

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
diphenylmethandiisocyanate, isomeres and homologues		9016-87-9	202-966-0	30-50	Resp. Sens. 1, Carc. 2, STOT RE 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3	H334,H351,H373,H332,H315,H319,H317,H335	
dimethyl ether	01-2119472128-37	115-10-6	204-065-8	5-10	Flam. Gas 1, Press. Gas	H220,H280	A
tris (2-chloro-1-methylethyl)-phosphate	01-2119486772-26	1244733-77-4	911-815-4	5-10	Acute Tox. 4	H302	
Castor oil		8001-79-4	232-293-8	5-10	Skin Irrit. 2, Eye Irrit. 2	H315,H319	G
Alkanes, C14-17, chloro		85535-85-9	287-477-0	5-10	Lact., Aquatic Acute 1, Aquatic Chronic 1	H362,H400,H410	
ethanediol; ethylene glycol		107-21-1	203-473-3	1-5	STOT RE 2, Acute Tox. 4	H373,H302	A
propane	01-2119486944-21	74-98-6	200-827-9	1-5	Flam. Gas 1, Press. Gas	H220,H280	B
isobutane (<= 0,1 % butadiene)	01-2119485395-27	75-28-5	200-857-2	1-5	Flam. Gas 1, Press. Gas	H220	

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

(* 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
 Continue flushing with water until medical help arrives
 Seek immediate medical attention



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Contact with skin :	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek immediate medical attention
Inhalation :	Remove patient to fresh air Persons who have inhaled substance may not exhibit symptoms immediately In case of unconsciousness place patient in stable side position. Apply artificial respiration only if patient is not breathing Seek immediate medical attention
Ingestion :	If swallowed seek medical advice immediately and show this container or label.

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

Inhalation :	May cause sensitization by inhalation. Vapours may be irritating to respiratory system and nasal passages.
Ingestion :	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	Irritating to skin May cause sensitisation by skin contact.
Eye contact :	Irritating to eyes Symptoms : redness and pain

4.3. Indication of any immediate medical attention and special treatment needed

General Advice :	In case of accident or if you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. In case of repeated exposures, regular medical examination is advised
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SECTION 5: Firefighting measures

5.1. Extinguishing media

water, 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
nitrogen and carbon oxides
hydrogen cyanide

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water



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In case of fire, do not breathe fumes
Substance evolves toxic fumes, wear self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Evacuate the area
Wear suitable protective clothing including eye/face protection 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.
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.
Keep in a cool, dry, well ventilated place
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 :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
ethanediol; ethylene glycol	107-21-1	TWA	20 ppm
		STEL	40 ppm
dimethyl ether	115-10-6	TWA	1000 ppm
National established exposure limits, United Kingdom			
ethanediol; ethylene glycol	107-21-1	TWA	20 ppm
		STEL	40 ppm
dimethyl ether	115-10-6	TWA	400 ppm
		STEL	500 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.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)
hands and skin :	Wear suitable protective gloves against chemicals
Recommended gloves:	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 :	Liquid under pressure.
colour :	See color cap.
odour :	Characteristic odor.
pH :	Neutral.
Boiling point/range :	Not available.
Flash point :	- 97 °C
Evaporation rate :	Not available.
Explosion limits : upper limit :	18.6 %
lower limit :	3.0 %



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Vapour pressure : Not available.
Relative density : 1.0 g/cm³ (@ 20°C).
Solubility in water : Insoluble in water
Auto-ignition : Not applicable.

9.2. Other information

VOC: 159.9 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

acute toxicity: Danger of serious damage to health by prolonged exposure.
Limited evidence of a carcinogenic effect

Information on likely routes of exposure:

Inhalation : Harmful: danger of serious damage to health by prolonged exposure through inhalation.
May cause sensitization by inhalation.
Irritating to respiratory system.



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Ingestion : Ingestion is unlikely to occur
Skin contact : May cause sensitization by skin contact.
 Irritating to skin
Eye contact : Irritating to eyes

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
ethanediol; ethylene glycol	107-21-1	LD50 oral rat	> 2000 mg/kg
		LD50 derm.rabit	> 10000 mg/kg
tris (2-chloro-1-methylethyl)-phosphate	1244733-77-4	LD50 oral rat	> 2000 mg/kg
		LC50 inhal.rat	7 mg/l
diphenylmethandiisocyanate, isomeres and homologues	9016-87-9	LD50 oral rat	> 10000 mg/kg
		LC50 inhal.rat	0.493 mg/l
		LD50 derm.rabit	> 10000 mg/kg

May cause damage to organs through prolonged or repeated exposure .
 Limited evidence of a carcinogenic effect

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, chronic category 4
 May cause long lasting harmful effects to aquatic life.

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
tris (2-chloro-1-methylethyl)-phosphate	1244733-77-4	LC50 fish	51 mg/l
		EC50 daphnia	131 mg/l
diphenylmethandiisocyanate, isomeres and homologues	9016-87-9	EC50 daphnia	> 1000 mg/l

NOEC > 1000 mg/l (Daphnia magna/Algae)

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

No experimental data available

12.5. Results of PBT and vPvB assessment



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Replaces:

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)

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



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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

*Explanation risk-phrases: R12: Extremely flammable.
R20: Harmful by inhalation.
R22: Harmful if swallowed.
R38: Irritating to skin.
R40: Limited evidence of a carcinogenic effect.
R64: May cause harm to breastfed babies.
R66: Repeated exposure may cause skin dryness or cracking.
R36/37/38: Irritating to eyes, respiratory system and skin.
R42/43: May cause sensitization by inhalation and skin contact.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*Explanation hazard statements: H220 : Extremely flammable gas.
H280 : Contains gas under pressure; may explode if heated.
H302 : Harmful if swallowed.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 : May cause respiratory irritation.
H351 : Suspected of causing cancer .
H362 : May cause harm to breast-fed children.
H373 : May cause damage to organs through prolonged or repeated exposure .
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

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



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