

Productname : PU Foam 2-in-1      Creationdate : 29.06.17 Version : 2.0  
 Ref.Nr.: BDS001751\_3\_20170629 (EN)      Replaces: BDS001751\_20150527

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

### 1.1. Product identifier

PU Foam 2-in-1  
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.

Classification is based on test data.



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**Health:** Respiratory sensitization, category 1  
 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 .  
 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.

Classification based on calculation method.

**Environment:** Not classified

Classification based on calculation method.

## 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.  
 H315 : Causes skin irritation.  
 H319 : Causes serious eye irritation.  
 H317 : May cause an allergic skin reaction.  
 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 .  
 H373 : May cause damage to organs through prolonged or repeated exposure .

**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.  
 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.

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**Supplemental Hazard information:**

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

**2.3. Other hazards**

No information available

**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
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	

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Contact with eyes :</b>	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
<b>Contact with skin :</b>	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek immediate medical attention
<b>Inhalation :</b>	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
<b>Ingestion :</b>	If swallowed seek medical advice immediately and show this container or label.

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

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<b>Inhalation :</b>	May cause sensitization by inhalation. Vapours may be irritating to respiratory system and nasal passages.
<b>Ingestion :</b>	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	Irritating to skin May cause sensitisation by skin contact.
<b>Eye contact :</b>	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.  
In case of repeated exposures, regular medical examination is advised

## 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  
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



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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

### 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)

Sealants and Isolation

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits :

No information available

### 8.2. Exposure controls



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<b>Control procedures :</b>	Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product. It is good practice to wear gloves and to provide adequate ventilation whenever using the product. In all cases handle and use the product in accordance with good industrial hygiene practices.
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A)
<b>hands and skin :</b>	When handling the product wear chemical-resistant gloves (standard EN 374). Use a reusable glove with a minimum breakthrough time of 30 minutes. 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
<b>eyes :</b>	Wear safety eyewear according to EN 166.

## 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>	Propane/butane propelled liquid.
<b>colour :</b>	Not available.
<b>odour :</b>	Characteristic odor.
<b>pH :</b>	Neutral.
<b>Boiling point/range :</b>	Not available.
<b>Flash point :</b>	- 97 °C
<b>Evaporation rate :</b>	Not applicable.
<b>Explosion limits : upper limit :</b>	18.7 %
<b>lower limit :</b>	3.0 %
<b>Vapour pressure :</b>	520 kPa (@ 20°C).
<b>Relative density :</b>	0.96 g/cm <sup>3</sup> (@ 20°C).
<b>Solubility in water :</b>	Insoluble in water
<b>Auto-ignition :</b>	235 °C
<b>Viscosity :</b>	Not available.

### 9.2. Other information

<b>VOC = volatile organic compounds</b>	200.8 g/l
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose



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## 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

<b>acute toxicity:</b>	Harmful if inhaled.
<b>skin corrosion/irritation:</b>	Causes skin irritation.
<b>serious eye damage/irritation:</b>	Causes serious eye irritation.
<b>respiratory or skin sensitisation:</b>	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>germ cell mutagenicity:</b>	based on available data the classification criteria are not met
<b>carcinogenicity:</b>	Suspected of causing cancer .
<b>toxicity for reproduction:</b>	based on available data the classification criteria are not met
<b>STOT-single exposure:</b>	May cause respiratory irritation.
<b>STOT repeated exposure:</b>	May cause damage to organs through prolonged or repeated exposure .
<b>aspiration hazard:</b>	based on available data the classification criteria are not met

## Information on likely routes of exposure:

<b>Inhalation :</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation. May cause sensitization by inhalation. Irritating to respiratory system.
<b>Ingestion :</b>	Ingestion is unlikely to occur
<b>Skin contact :</b>	May cause sensitization by skin contact. Irritating to skin
<b>Eye contact :</b>	Irritating to eyes



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**Toxicological data :**

Hazardous ingredient	CAS-nr.	method	
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**

Not classified

**Ecotoxicological data:**

Hazardous ingredient	CAS-nr.	method	
diphenylmethandiisocyanate, isomeres and homologues	9016-87-9	EC50 daphnia	> 1000 mg/l

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

**12.2. Persistence and degradability**

Not readily biodegradable

**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**

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.





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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 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)



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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: 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 .  
H373 : May cause damage to organs through prolonged or repeated exposure .

REVISIONS IN CHAPTRE : 8.2. Exposure controls  
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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