



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : ROC JOINT PU 925
Product code : RCR-016.

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

Construction product.

1.3. Details of the supplier of the safety data sheet

Registered company name : RCR PRODUCTION France.
Address : ZA Les Monts du Matin - 63, rue des Lauriers.26730.LA BAUME D'HOSTUN.France.
Telephone : +33 (0)4 75 48 37 50 . Fax : +33 (0)4 75 48 30 03.
Email : production.labaume@rcrproductionfrance.com
<http://www.rcrproductionfrance.com>

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH204 Contains isocyanates. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Precautionary statements - Prevention :

P261 Avoid breathing vapours.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 1330-20-7 EC: 215-535-7 REACH: 01-2119488216-32 XYLENE	GHS07, GHS02 Wng Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332	C [1]	$4 \leq x \% \leq 7$
CAS: 13463-67-7 EC: 236-675-5 REACH: 01-2119489379-17		[1]	$x \% < 5$

TITANIUM DIOXIDE CAS: 1305-78-8 EC: 215-138-9 REACH: 01-2119475325-36	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318	[1]	x % < 2.5
CALCIUM OXIDE CAS: (64742-47-8) EC: 926-141-6 REACH: 01-2119456620-43	GHS08 Dgr Asp. Tox. 1, H304 EUH:066		x % < 2.5
HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS			
CAS: 100-41-4 EC: 202-849-4 ETHYLBENZENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373	[1]	x % < 2
CAS: 1309-37-1 EC: 215-168-2 REACH: 01-2119457614-35 IRON OXIDE (III)		[1]	x % < 2
CAS: 1305-62-0 EC: 215-137-3 REACH: 01-2119475151-45 CALCIUM DIHYDROXIDE	GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318	[1]	x % < 0.5
CAS: 1333-86-4 EC: 215-609-9 REACH: 01-2119384822-32 CARBON BLACK		[1]	x % < 0.5

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

In the event of inhalation, move patient to the open air. Keep warm and at rest.
If breathing is irregular or has stopped, proceed with artificial respiration and seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of swallowing :

Seek medical attention, showing the label.

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

N/A

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media**5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)
- hydrogen cyanide (HCN)

N/A

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Contaminated areas must be cleaned very quickly.

A possible decontaminant for flammable products may be : (expressed by volume) water (45 parts), ethanol or isopropanol (50 parts), concentrated ammonia (d-0.880) (5 parts). For non-flammable products: sodium carbonate (5 parts), water (95 parts).

This residue must be stored for disposal in compliance with current regulations (see section 13).

Retrieve the product by mechanical means (sweeping/vacuuming).

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- European Union (2009/161/EU, 2006/15/EC, 2000/39/EC, 98/24/EC)

CAS	VME-mg/m ³ :	VME-ppm :	VLE-mg/m ³ :	VLE-ppm :	Notes :
1330-20-7	221	50	442	100	Peau
100-41-4	442	100	884	200	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm	150 ppm	-	-	-
13463-67-7	10 mg/m3	-	-	-	-
1305-78-8	2 mg/m3	-	-	-	-
100-41-4	100 ppm	125 ppm	-	-	-
1309-37-1	5 mg/m3	-	-	-	-
1305-62-0	5 mg/m3	-	-	-	-
1333-86-4	3.5 mg/m3	-	-	-	-

- Germany - AGW (BAuA - TRGS 900, 21/06/2010) :

CAS	VME :	VME :	Excess	Notes
1330-20-7	100 ml/m3	440 mg/m3	2(II)	DFG, H
100-41-4	100 ml/m3	440 mg/m3	2(I)	EU, H

- Belgium (Order of 19/05/2009, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm	100 ppm	-	-	-
13463-67-7	10 mg/m3	-	-	-	-
1305-78-8	2 mg/m3	-	-	-	-
100-41-4	100 ppm	125 ppm	-	-	-
1309-37-1	5 mg/m3	-	-	-	-
1305-62-0	5 mg/m3	-	-	-	-
1333-86-4	3.6 mg/m3	-	-	-	-

- France (INRS - ED984 :2008) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
1330-20-7	50	221	100	442	*	4 Bis, 84, *
13463-67-7	-	10	-	-	-	-
1305-78-8	-	2	-	-	-	-
100-41-4	20	88.4	100	442	*	84
1309-37-1	-	5	-	-	-	44.44 Bis.94
1305-62-0	-	5	-	-	-	-
1333-86-4	-	3.5	-	-	-	-

- Switzerland (SUVA 2009) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Temps :	RSB :
1330-20-7	435	100	870	200	4x15	RB
13463-67-7	3a	-	-	-	-	-
1305-78-8	2i	-	2i	-	15 min	-
100-41-4	435	100	435	100	15 min	R
1309-37-1	3a	-	-	-	-	-
1305-62-0	5i	-	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm	100 ppm	-	-	-
13463-67-7	10 mg/m3	-	-	-	TI
1305-78-8	2 mg/m3	-	-	-	-
100-41-4	100 ppm	125 ppm	-	-	-
1309-37-1	5 mg/m3	10 mg/m3	-	-	-
1305-62-0	5 mg/m3	-	-	-	-
1333-86-4	3.5 mg/m3	7 mg/m3	-	-	-

Predicted no effect concentration (PNEC):

CALCIUM OXIDE (CAS: 1305-78-8)

Environmental compartment:

Soil.

PNEC :

816 mg/l

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- PVA (Polyvinyl alcohol)

Recommended properties :

- Antistatic gloves in accordance with standard EN1149

- Body protection

Suitable type of protective clothing :

Wear antistatic clothing made from heat resistant natural or synthetic fibres in accordance with standard EN1149.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

N/A

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Solid.
Odour:	Mild.

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	137 °C.
Flash point interval :	Not relevant.
Explosive properties, lower explosivity limit (%) :	0.6
Explosive properties, upper explosivity limit (%) :	8.0
Vapour pressure (50°C) :	Not relevant.
Density :	1.16 (20°C)
Water solubility :	Insoluble.
Self-ignition temperature :	200 °C.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

Keep away from oxidising agents and strongly acidic or basic materials to avoid exothermic reactions.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

The mixture can also release hydrogen cyanide, amines and alcohols.

10.4. Conditions to avoid

Avoid :

- formation of dusts

Dusts can form an explosive mixture with air.

10.5. Incompatible materials

Keep away from :

- alcohols

- amines

- acids
- alkalis

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)
- hydrogen cyanide (HCN)

N/A

LD50 = 2000 mg/kg

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Based on isocyanate properties and considering the toxicological data of similar mixtures, this preparation may cause irritations and/or sensitisations of the respiratory system.

It may therefore bring about asthma, respiratory difficulties and angina pectoris.

Those susceptible may display asthmatic symptoms when exposed to atmospheres with an isocyanate concentration well below those of the VLE : exposure limits.

Repeated exposure may cause permanent respiratory problems.

11.1.1. Substances

Acute toxicity :

CARBON BLACK (CAS: 1333-86-4)

Oral route : LD50 > 8000 mg/kg
Species : Rat

ETHYLBENZENE (CAS: 100-41-4)

Oral route : LD50 = 3500 mg/kg
Species : Rat

Dermal route : LD50 = 17800 mg/kg
Species : Rabbit

Inhalation route (Dusts/mist) : 1 < LC50 <= 5 mg/l

Oral route : LD50 > 5000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 5000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (n/a) : LC50 > 5000 mg/m³
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity)

XYLENE (CAS: 1330-20-7)

Oral route : LD50 = 8700 mg/kg
Species : Rat

Dermal route :
Species : Rabbit

Respiratory or skin sensitisation :

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: (64742-47-8))

Local lymph node stimulation test : Non-Sensitiser.

Germ cell mutagenicity :

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: (64742-47-8))

No mutagenic effect.

Carcinogenicity :

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: (64742-47-8))
Carcinogenicity Test : Negative.
No carcinogenic effect.

Reproductive toxicant :

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: (64742-47-8))
No toxic effect for reproduction

11.1.2. Mixture**Serious damage to eyes/eye irritation :**

No observed effect.

Corneal haze :	Average score < 1 OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Iritis :	Average score < 1 OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Conjunctival redness :	Average score < 2 OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Conjunctival oedema :	Average score < 2 OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitisation :

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: (64742-47-8))

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 100-41-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.
CAS 1330-20-7 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

12.1. Toxicity**12.1.1. Substances**

Fish toxicity :	LC50 > 1000 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 1000 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 > 1000 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h
CARBON BLACK (CAS: 1333-86-4) Fish toxicity :	LC50 > 1000 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 5600 mg/l Species : Daphnia magna Duration of exposure : 24 h
Algae toxicity :	ECr50 > 10000 mg/l Duration of exposure : 72 h
CALCIUM OXIDE (CAS: 1305-78-8) Fish toxicity :	LC50 = 50.6 mg/l Duration of exposure : 96 h

Crustacean toxicity : EC50 = 49.1 mg/l
 NOEC = 32 mg/l
 Duration of exposure : 14 days

Algae toxicity : ECr50 = 184.57 mg/l
 Duration of exposure : 72 h
 NOEC = 48 mg/l
 Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability**12.2.1. Substances**

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: (64742-47-8))

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

ROC JOINT PU 925 RCR-016

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK) :

WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.
 CARBON BLACK (CAS: 1333-86-4)

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

060409 - Waste adhesives and sealants containing organic solvents or other dangerous substances

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

SECTION 15 : REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:

No data available.

- Particular provisions :

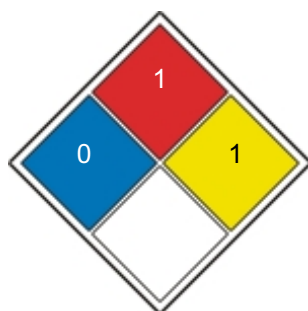
No data available.

- German regulations concerning the classification of hazards for water (WGK) :

WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none



- Swiss ordinance on the incentive tax on volatile organic compounds :

- | | |
|-----------|-------------------------------|
| 100-41-4 | éthylbenzène |
| 1330-20-7 | xylènes (mélanges d'isomères) |

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure .
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations :

PNEC : Predicted No-Effect Concentration

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.