

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 21/02/2017	Trade name:	Page: 1/7
Reviewed on:	PU FIX PROFESSIONAL 3	Version: 1.0

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

1.1. Product identifier:

Trade name: **PU FIX PROFESSIONAL 3**
Product code: **R 34810C/12**

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

Uses of the mixture: Polyurethane adhesive.
For professional and industrial use only.
Uses advised against: Not known.

1.3. Details of the supplier of the safety data sheet:

Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha 5 - Stodůlky
Telephone number/Fax: +420 327 596 128, +420 327 596 428
E-mail: info@retech.cz

1.4. Emergency telephone number:

RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic
Telephone number: +420 327 596 128 (7.30-16.00 hour)
Toxikologické informační středisko (Toxicology information centre),
Na bojišti 1, 128 08 PRAHA 2, Czech Republic
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2. Hazard identification:

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]:
Aquatic chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Signal Word: -

Hazard Statements:
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:
P501 Dispose of contents/container in accordance with national regulation.

Supplemental Hazard information (EU):
EUH204 Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards:

Results of PBT and vPvB assessment:
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

CAS: 1333-86-4	Carbon Black, Amorphous	10 -< 25 %
EC No.: 215-609-9		
Reg. No.: 01-2119384822-32-0032		
INDEX: NONE63		
CAS: 1317-65-3	Limestone	2.5 -< 10 %
EC No.: 215-279-6		
INDEX: NONE70		

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 21/02/2017	Trade name:	Page: 2/7
Reviewed on:	PU FIX PROFESSIONAL 3	Version: 1.0

CAS: 101-02-0	Triphenyl-phosphite*	0 -< 2.5 %
EC No.: 202-908-4	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
INDEX: 015-105-00-7		

*Specific concentration limit: Eye Irrit. 2; H319: C ≥ 5 %; Skin Irrit. 2; H315: C ≥ 5 %

For full text of H-statements: see SECTION 16

4. Section 4. First aid measures:

4.1. Description of first aid measures:

General notes: When in doubt or if symptoms are observed, get medical advice.
 After inhalation: Move affected person to fresh air.
 After skin contact: Wash with plenty of water and soap and rinse thoroughly.
 After eye contact: Rinse opened eye for several minutes under running water.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 Get medical attention if any discomfort continues.
 After swallowing: Get medical advice/attention if you feel unwell, have product container or label at hand.

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

No further relevant information available.

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

No further relevant information available.

5. Section 5. Fire fighting measures:

5.1. Extinguishing media:

Suitable extinguishing agents: Water haze, carbon dioxide, fire-extinguishing powder, foam.
 Unsuitable extinguishing agents: Water.

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.
 The thermal decomposition may release/form: carbon monoxide (CO), carbon dioxide (CO₂).

5.3. Advice for firefighters:

Wear protective clothing and self-contained breathing apparatus.
 Cool endangered receptacles with water spray.

6. Section 6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures:

See Section 7 and 8.

For emergency responders: Wear protective equipment, see Section 8.

6.2. Environmental precautions:

Prevent seepage into sewage system.
 Inform respective authorities in case of seepage into water course or sewage system.

6.3. Methods and material for containment and cleaning up:

Clean preferably with a detergent, do not use solvents.
 Contaminated areas must be cleaned very quickly.
 A possible decontaminant may be (expressed by volume):
 - for flammable products: 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).
 Dispose contaminated material as waste according to Section 13.

6.4. Reference to other sections:

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

7. Section 7. Handling and storage:

7.1. Precautions for safe handling:

Protective measures: Wear protective equipment, see Section 8.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 21/02/2017	Trade name:	Page: 3/7
Reviewed on:	PU FIX PROFESSIONAL 3	Version: 1.0

	Observe precautions stated on label and also industrial safety regulations. Always wash hands after handling. Take off all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.
Measures to prevent fire:	Keep unprotected persons away.
7.2. Conditions for safe storage, including any incompatibilities:	
Requirements for storage rooms and vessels:	Store only in the original receptacle.
Technical measures and storage conditions:	Store in a cool, well-ventilated place. Store at temperatures between 5 °C and 25 °C.
Further information on storage conditions:	
7.3. Specific end use(s):	No further relevant information available.

8. Section 8. Exposure controls/personal protection:	
8.1. Control parameters:	
Components with limit values that require monitoring at the workplace:	
WEL (United Kingdom): EH40/2005	
Contains no substances with occupational exposure limit values.	
OEL (EU): 2000/39/EG, 2006/15/EG, 2009/161/EG	
Contains no substances with occupational exposure limit values.	
DNEL	
1333-86-4 Carbon Black, Amorphous	
Inhalation	Chronic effects systemic 2 mg/m ³ Workers
	Chronic effects local 2 mg/m ³ Workers
PNEC	
1333-86-4 Carbon Black, Amorphous	
Freshwater	5 mg/l
Marine water	5 mg/l
Additional information: The lists that were valid during the compilation were as basis.	
8.2. Exposure controls:	
Technical measures to prevent exposure:	Ensure good ventilation/exhaustion at the workplace.
General protective measures:	Do not eat, drink or smoke when using this product. After contact with skin, wash immediately with plenty of water. Remove and wash contaminated clothing before re-using. Take off all contaminated clothing and wash it before reuse.
Personal protection equipment:	
Respiratory protection:	Respiratory protection usually not required with adequate ventilation.
Eye protection:	Safety goggles.
Hand protection:	Protective gloves. The glove material must be impermeable, antistatic and resistant against the product/substance/preparation. The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation.
Skin protection:	Wear antistatic clothing made from heat resistant natural or synthetic fibres.

9. Section 9. Physical and chemical properties:	
9.1. Information on basic physical and chemical properties:	
Form:	Paste.
Colour:	Black.
Odour:	Odourless.
Odour threshold:	Not determined.

Date of issue: 21/02/2017	Trade name:	Page: 4/7
Reviewed on:	PU FIX PROFESSIONAL 3	Version: 1.0

Value pH at 20 °C:	Not determined.
Melting point/freezing point:	Not determined.
Initial boiling point/boiling range:	Not determined.
Flash point:	93 °C < PE < 100 °C
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not determined.
Explosive properties:	Not determined.
Explosive limits:	
– lower:	Not determined.
– upper:	Not determined.
Vapour pressure at 20°C:	Not determined.
Vapour density at 20 °C:	Not determined.
Density at 20°C:	Not determined.
Relative density:	> 1
Solubility in/miscibility:	Water: insoluble.
Partition coefficient (n-octanol/water):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-ignition temperature:	Not determined.
Viscosity:	Not determined.
Oxidising properties:	Not determined.

9.2. Other information:

VOC: 0.0 %

10. 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.
10.3. Possibility of hazardous reactions:	When exposed to high temperatures, the mixture may release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide. The mixture may also release hydrogen cyanide, amines and alcohols.
10.4. Conditions to avoid:	Avoid humidity.
10.5. Incompatible materials:	Keep away from water.
10.6. Hazardous decomposition products:	The thermal decomposition may release/form: carbon monoxide (CO), carbon dioxide (CO ₂).

11. 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:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	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.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure:	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 21/02/2017	Trade name:	Page: 5/7
Reviewed on:	PU FIX PROFESSIONAL 3	Version: 1.0

Other information: Contains isocyanates. May cause an allergic reaction by skin contact. 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 exposure limits. Repeated exposure may cause permanent respiratory problems.

12. Section 12. Ecological information:

- 12.1. Toxicity: May cause long lasting harmful effects to aquatic life. The product must not be allowed to run into drains or waterways.
 Aquatic toxicity: No further relevant information available.
- 12.2. Persistence and degradability: No further relevant information available.
- 12.3. Bioaccumulative potential: No further relevant information available.
- 12.4. Mobility in soil: No further relevant information available.
- 12.5. Results of PBT and vPvB assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
- 12.6. Other adverse effects: No further relevant information available.

13. Section 13. Disposal considerations:

- 13.1. Waste treatment methods:
 Product disposal: Must not be disposed together with household garbage. Do not allow product to reach sewage system. European Waste Catalogue: 08 05 01* waste isocyanates (*hazardous waste)
- Packagings disposal: Disposal must be made according to official regulations. European Waste Catalogue: 15 01 10* packaging containing residues of or contaminated by hazardous substances (*hazardous waste)
- Other disposal recommendations: Disposal must be made according to official regulations. The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

14. Section 14. Transport information:

- 14.1. UN number: ADR, IMDG, IATA This product does not require a classification for transport.
- 14.2. UN proper shipping name: ADR, IMDG, IATA Not applicable.
- 14.3. Transport hazard class(es): ADR, IMDG, IATA
 Class Not applicable.
 Hazard label Not applicable.
- 14.4. Packing group: ADR, IMDG, IATA Not applicable.
- 14.5. Environmental hazards:
 Marine pollutant: No.
- 14.6. Special precautions for user: Not applicable.
- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

Date of issue: 21/02/2017	Trade name:	Page: 6/7
Reviewed on:	PU FIX PROFESSIONAL 3	Version: 1.0

15. Section 15. Regulatory information:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)

Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
Commission Decision 2000/532/EC establishing a list of wastes, as amended

Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended

Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values

Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values

Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16. Other information:

Relevant H-statements (Section 3):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level

EC No: EINECS and ELINCS Number

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

PNEC: Predicted No-Effect Concentration

Reg. No.: Registration number

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

VOC: Volatile Organic Compounds

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

Aquatic Acute 1: Hazardous to the aquatic environment, category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, category 1

Aquatic Chronic 3: Hazardous to the aquatic environment, category 3

Eye Irrit. 2: Serious eye irritation, category 2

Skin Irrit. 2: Skin irritation, category 2

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 21/02/2017	Trade name:	Page: 7/7
Reviewed on:	PU FIX PROFESSIONAL 3	Version: 1.0

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Compared to the last version the data has been changed.**