

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier: XP5018****Trade name: Polyester putty / yellow****1.2 Relevant identified uses of the substance or mixture and uses advised against** Identified uses: professional use.

Application of the substance / the mixture Knife filler/ Surfacer

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: ReCorp s.r.o.Jána Hollého 699/55
Michalovce 071 01
ICO: 47 503 181
Tel.: +421 907 319 730

Further information obtainable from: info@trixxal.com

1.4 Emergency telephone number:Národné toxikologické a informačné centrum
FNsP Akadémia L. Dézera
Limbová 5, SK – 833 05 Bratislava
+ 421 254 774 166 (24 hours per day)
Fax: + 421 254 774 605**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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



Xn; Harmful

R20-48/20-63: Harmful by inhalation. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child.



Xi; Irritant

R36/38: Irritating to eyes and skin.

R10: Flammable.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 1)

Hazard pictograms

GHS02

GHS07

GHS08

Signal word Danger**Hazard-determining components of labelling:**

styrene

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 100-42-5 EINECS: 202-851-5 Reg.nr.: 01-2119457861-32	styrene ☒ Xn R20-48/20-63; ☒ Xi R36/38 R10 ☒ Flam. Liq. 3, H226; ☒ Repr. 2, H361d; STOT RE 1, H372; ☒ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	ethyl acetate ☒ Xi R36; ☒ F R11 R66-67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	0.1-1%

Additional information: For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 2)

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact: *Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*

After swallowing: *Do not induce vomiting; call for medical help immediately.*

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.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: *Water with full jet*

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Avoid contact with the eyes and skin.

6.2 Environmental precautions: *Do not allow to enter sewers/ surface or ground water.*

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Do not flush with water or aqueous cleansing agents

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.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 3)

Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.**SECTION 8: Exposure controls/personal protection**

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****100-42-5 styrene**

WEL (Great Britain)	Short-term value: 1080 mg/m ³ , 250 ppm Long-term value: 430 mg/m ³ , 100 ppm
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141-78-6 ethyl acetate

WEL (Great Britain)	Short-term value: 400 ppm Long-term value: 200 ppm
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DNELs**100-42-5 styrene**

Dermal	DNEL	406 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	289 mg/m ³ (acute - systemic effects, workers) 306 mg/m ³ (acute - local effects, workers) 85 mg/m ³ (long-term - systemic effects, workers)

141-78-6 ethyl acetate

Dermal	DNEL	63 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	1468 mg/m ³ (acute - systemic effects, workers) 1468 mg/m ³ (acute - local effects, workers) 734 mg/m ³ (long-term - systemic effects, workers) 734 mg/m ³ (long-term - local effects, workers)

PNECs**100-42-5 styrene**

PNEC	0.028 mg/l (freshwater environment) 0.0028 mg/l (marine environment) 0.04 mg/l (intermittent releases) 0.614 mg/kg (freshwater sediment environment) 0.0614 mg/kg (marine sediment environment) 0.2 mg/kg (soil) 5 mg/l (sewage treatment plants)
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141-78-6 ethyl acetate

PNEC	0.24 mg/l (freshwater environment) 0.024 mg/l (marine environment)
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(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 4)

1.65 mg/l (intermittent releases)
1.15 mg/kg (freshwater sediment environment)
0.115 mg/kg (marine sediment environment)
0.148 mg/kg (soil)
650 mg/l (sewage treatment plants)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

Material of gloves

Fluorocarbon rubber (Viton)

Recommended thickness of the material: $\geq 0,7$ mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Value for the permeation: Level 6 ≥ 480 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection: Protective work clothing

(Contd. on page 6)

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Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 5)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Pasty
Colour:	Different according to colouring
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	145 °C Undetermined.

Flash point: 31 °C

Flammability (solid, gaseous): Not applicable.

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower:	1.1 Vol %
Upper:	6.1 Vol %

Vapour pressure at 20 °C: 6.7 hPa

Density at 20 °C: 1.9 g/cm³

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with water:

Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: No decomposition if used according to specifications.

10.2 Chemical stability: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Exothermic polymerisation.

Reacts with peroxides and other radical forming substances.

Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid: Protect from heat and direct sunlight.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Formation of toxic gases is possible during heating or in case of fire.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 6)

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

100-42-5 styrene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
Inhalative	LC50/4 h	11.8 mg/l (rat)

141-78-6 ethyl acetate

Oral	LD50	6100 mg/kg (rat)
Dermal	LD50	> 20000 mg/kg (rabbit)
Inhalative	LC50/6 h	58 mg/l (rat)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitisation: No sensitising effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Irritant

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Repr. 2

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

100-42-5 styrene

EC50/48h	4.7 mg/l (Daphnia magna)
EC50/72h	4.9 mg/l (Pseudokirchnerella subcapitata)
LC50/96h	4.02 mg/l (Pimephales promelas)

141-78-6 ethyl acetate

EC3/16 h	650 mg/l (Pseudomonas putida)
EC50/48h	165 mg/l (Daphnia cucullata)
EC50/72h	> 900 mg/l (Scenedesmus subspicatus)
LC50/96h	230 mg/l (Pimephales promelas)

12.2 Persistence and degradability

100-42-5 styrene

Biodegradation 70.9 % (readily biodegradable)

141-78-6 ethyl acetate

Biodegradation 93.9 % (readily biodegradable) (OECD 301 B, aerobic)

12.3 Bioaccumulative potential

100-42-5 styrene

BCF	13.5 (-)
log Kow	2.96 (-)

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 7)

141-78-6 ethyl acetate	
BCF	30 (-)
log Kow	0.66 (-)

12.4 Mobility in soil No further relevant information available.**Additional ecological information:****General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 01 11* | waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information**

14.1 UN-Number ADR, IMDG, IATA	UN1866
14.2 UN proper shipping name ADR IMDG, IATA	1866 RESIN SOLUTION, mixture RESIN SOLUTION, mixture
14.3 Transport hazard class(es) ADR, IMDG, IATA Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number:	Warning: Flammable liquids. 30 F-E,S-E
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Transport category Tunnel restriction code Remarks:	5L 3 D/E ADR 2.2.3.1.5

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.12.2014

V- 1

Revision: 01.10.2014

Trade name: Polyester putty / yellow

(Contd. of page 8)

UN "Model Regulation":

UN1866, RESIN SOLUTION, mixture, 3, III

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

R10 Flammable.

R11 Highly flammable.

R20 Harmful by inhalation.

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63 Possible risk of harm to the unborn child.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

Sources European Chemicals Agency, <http://echa.europa.eu/>