

SETION 1: Identification of the substance/mixture and of the company

1.1 Product identifier

Trade name: **TEXPUR**

Registration number: **Not applicable-Mixture of substances**

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

No relevant identified uses-mixture of substances..

Application of the substance / the mixture: **Polyurethane Waterproofing Coating**

1.3 Details of the supplier of the safety data sheet

TEXSA SYSTEMS S.L.U.

C/ Ferro, 7 - Polígono Industrial Can Pelegrí

08755 - Castellbisbal (Barcelona) , ESPAÑA

Tel: (+34) 93 635 14 00

Fax: (+34) 93 635 14 27

e-mail: texsa@texsa.com

1.4 Emergency telephone number: 112

SETION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation EC No 1272/2008 CLP



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



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

R20/21-65: Harmful by inhalation and in contact with skin. Harmful: may cause lung damage if swallowed.



Xn; Sensitizing

R42: May cause sensitisation by inhalation.

R10: Flammable.

· Classification system:

The classification of the product is according CLP Regulation 1272/2008/EC and European Directive 99/45/EC.

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP

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

TRADE NAME: **TEXPUR**

Hazard pictograms



GHS08 **GHS02**

Signal Word Danger

Hazard-determining components of labelling:

xylene
m-tolyldiene diisocyanate

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/...
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P314 Get medical advice/attention if you feel unwell.
P331 Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Contains isocyanates. May produce an allergic reaction.
Contains m-tolyldiene diisocyanate. May produce an allergic reaction.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients



3.2 Chemical characterization: Mixtures

• **Description: Mixture:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:








CAS: 1330-20-7
EINECS: 215-535-7
Reg.nr.: 01-2119488216-32-XXXX

[(toliloxi) metil] oxirano
 **Xn R20/21-65;**  **Xi R36/37/38**

 Flam. Liq. 3, H226;  STOT RE
2, H373; Asp. Tox. 1, H304;  Acute
Tox. 4, H312; Acute Tox. 4, H332; Skin
Irrit. 2, H315; Eye Irrit. 2, H319; STOT
SE 3, H335

12.5-<20%

TRADE NAME: **TEXPUR**

CAS: 26471-62-5 EINECS: 247-722-4 Index number: 615-006-00-4 Reg.nr.: 01-2119454791-34-XXXX	m-tolyldene diisocyanate  T+ R26;  Xn R40;  Xn R42/43;  Xi R36/37/38 R52/53 Carc. Cat. 3 <hr/>  Acute Tox. 2, H330;  Resp. Sens. 1, H334; Carc. 2, H351;  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412	0.3-<1%
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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.

Take affected persons out into the fresh air.

Seek immediate medical advice.

After inhalation:

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

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Seek immediate medical advice.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothing and shoes.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for at least 15 minutes under running water.

Remove contact lenses and continue rinsing for several minutes

Seek immediate medical advice.

After swallowing:

Do not induce vomiting; call for medical help immediately.

Rinse out mouth and then drink plenty of water.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Seek immediate medical advice.

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, powder or water spray. Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

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In case of fire, the following can be released:

- Carbon dioxide (CO₂)
- Carbon monoxide (CO)

5.3 Advice for firefighters

Protective equipment:

- Mouth respiratory protective device.
- Wear fully protective suit.

Additional information

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

6.1.1 For non-emergency personnel

- Avoid contact with spilled material
- Keep away from ignition sources.
- Ensure sufficient ventilation.
- Use personal protective equipment.

6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

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).
- Use non-sparking tools.
- Contain leakage if possible.
- Pick up and transfer to properly labelled containers.
- 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.
- Use adequate personal protective equipment as required. For more information regarding protective equipment see section 8
- Avoid inhaling vapors.
- Avoid contact with skin, eyes and clothing.

Information about fire - and explosion protection:



- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

TRADE NAME: **TEXPUR**

Provide ventilation for receptacles.

Information about storage in one common storage facility:

Store away from flammable substances.

Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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:

1330-20-7 xylene

WEL Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

26471-62-5 m-tolidene diisocyanate

WEL Short-term value: 0.07 mg/m³

Long-term value: 0.02 mg/m³

Sen; as -NCO

Ingredients with biological limit values:

1330-20-7 xylene

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

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

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:



Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

TRADE NAME: **TEXPUR**
Material of gloves

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.

Eye protection:


Safety glasses

Face protection

Body protection:


Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Liquid
Colour:	Various colours
Odour:	Characteristic
Odour threshold:	Not determined
pH value:	Not applicable
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not determined
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	Not determined
Decomposition temperature:	Not determined
Self-igniting:	Product is not self igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	-
Lower:	0.8 Vol %
Upper:	Not determined
Vapour pressure:	Not determined
Density at 20 °C:	1.39-1.41 g/ml
Relative density	Not determined
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 at 25 °C:	Not determined
Kinematic:	>90 s (ISO 2431:1993;6mm JET)
· Solvent content:	
VOC (EC)	249 g/l
9.2 Other information	No further relevant information available.

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SETION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Avoid heat, sparkles, naked flame or other sources of ignition.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

SETION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

· LD/LC50 values relevant for classification:		
Dermal	ATEmix	9434 mg/kg (-)
Inhalative	ATEmix	35 mg/l (-)
1 330-20-7 xylene		
Dermal	LD50	>1700 mg/kg (rabbit)
13463-67-7 titanium dioxide		
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)
26471-62-5 m-tolyldiene diisocyanate		
Oral	LD50	4130 mg/kg (rat)
Dermal	LD50	>9400 mg/kg (rabbit)
Inhalative	LC50/4 h	0.47 mg/l (rat)

· Primary irritant effect:

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through inhalation.
- **Sensitisation** Sensitization possible through skin contact

SETION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

26471-62-5 m-tolyldiene diisocyanate

EC50-48h 12.5 mg/l (daphnia magna)

LC50-96h 133 mg/l (Con)

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

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available..

TRADE NAME: **TEXPUR**

SETION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation



Dispose according to National Regulations.



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

Contact manufacturer for recycling information.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning..

SETION 14: Transport information

14.1 UN-Number	Void
14.2 UN proper shipping name	Void
14.3 Transport hazard class(es)	Void
14.4 Packing group	
IATA	III
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information:	
ADR Remarks:	No goods of grade 3 according to 2.2.3.1.5 ADR and 2.3.2.5 IMDG ADR: Containers >450 l = UN 1866 - 3(F1) - RESIN SOLUTION, flammable IMDG: Containers > 30 l = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable Outside ADR/IMDG = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable
IMDG Remarks:	No goods of grade 3 according to 2.2.3.1.5 ADR and 2.3.2.5 IMDG ADR: Containers >450 l = UN 1866 - 3(F1) - RESIN SOLUTION, flammable IMDG: Containers > 30 l = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable Outside ADR/IMDG = UN 1866 - 3 (F1) - RESIN SOLUTION, flammable

SETION 15: Regulatory information

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

The mixture classification is according to CLP Regulation 1272/2008/EC and European Directive 99/45/EC.
REACH Regulation 1907/2006/EC

TRADE NAME: **TEXPUR**

Regulation 453/2010/EC

CLP Regulation 1272/2008/EC

Labelling according to Regulation (EC) No 1272/2008 [Label elements in Section 2.2](#)

National regulations:

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

It doesn't contain substances of very high concern (SVHC).

15.2 Chemical safety assessment: Not applicable

A Chemical Safety Assessment has not been carried out.

SETION 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

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

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.

H412 Harmful to aquatic life with long lasting effects.

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R26 Very toxic by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R40 Limited evidence of a carcinogenic effect.

R42/43 May cause sensitisation by inhalation and skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

Department issuing MSDS:

TEXSA SYSTEMS SLU – texsa@texsa.com