



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

# POLYURETHAN AQUA TRAFFIC UV

## REF: PAT

VERSION. 3  
REVISION DATA 15/04/2014

PAGE 1 of 17  
PRINT DATA 15/04/2014

### **1. PRODUCT AND MANUFACTURER DETAILS**

Product Name: TRAFFIC AQUA UV POLYURETHANE (EXTERIOR)  
Company: CEMENT DESIGN, S.L.  
Address: Avda. Río Guadalquivir, 2, CP 28906 Getafe (Madrid – España)  
Telephone: 911 407 965  
Email address: [info@cementdesign.eu](mailto:info@cementdesign.eu)  
Web: [www.cementdesign.eu](http://www.cementdesign.eu)

### **2. HAZARDS IDENTIFICATION**

#### **2.1. Mixture classification**

Harmful.

#### **2.2. Label elements**

**Hazard Symbols: (Xn) HARMFUL**

**Contains: xylene**

Phrases R:

R10.- Flammable.

R20 / 21.- Harmful by inhalation and skin contact.

R37 / 38: Irritating to respiratory system and skin.

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

Phrases S:

S26.- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 / 37: Wear clothing and suitable gloves.

S51.- Use only in well-ventilated areas.

S61.- Avoid release to the environment. Refer to special instructions safety data sheet.

S23.- Do not breathe vapor / spray.

Other phrases:

VERSION. 3

PAGE 2 of 17



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## POLYURETHAN AQUA TRAFFIC UV REF: PAT

REVISION DATA 15/04/2014

PRINT DATA 15/04/2014

### 2.3. Other hazards

Product is flammable because of its composition in hydrocarbons.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances presenting a health hazard according to Regulation (CE) No. 1272/2008 on classification, labeling and packaging of substances and mixtures:

---

Title: **ethylbenzene**

Registration Number: 01-2119489370-35

EINECS No.: 202-849-4 Cas No: 100-41-4

EC Index No.: 601-023-00-4 Concentration: 2.5 - 10%

R phrases (\*): R20 R11 Hazard symbols: F, Xn

Classification (\*):

Flam. Liq. 2 - H225

Acute Tox. 4 \* - H332

Word of warning: Danger Dgr.-

Pictograms: GHS02, GHS07

---

Title: **ethyl 1-methyl-2-methoxyethyl**

Registration Number: 01-2119475791-29

EINECS No.: 203-603-9 Cas No: 108-65-6

EC Index No.: 607-195-00-7 Concentration: 2.5 - 10%

R phrases (\*): R10 Hazard symbols:

Classification (\*):

Flam. Liq. 3 - H226

Word of warning: Warning Wng.-

Pictograms: GHS0\_

VERSION. 3  
REVISION DATA 15/04/2014

PAGE 3 of 17  
PRINT DATA 15/04/2014



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## POLYURETHAN AQUA TRAFFIC UV REF: PAT

Title: **xylene**

Registration Number: 01-2119488216-32

EINECS No.: 215-535-7 Cas No: 1330-20-7

EC Index No.: 601-022-00-9 Concentration: 10-25%

R phrases (\*): R20 / 21 R38 R10 Hazard symbols: Xn

Classification (\*):

Flam. Liq. 3 - H226

Acute Tox. 4 \* - H332

Acute Tox. 4 \* - H312

Skin Irrit. 2 - H315

Word of warning: Warning Wng.-

Pictograms: GHS02, GHS07

---

Title: **solvent naphtha (petroleum), light arom**

Registration Number: 01-2119486773-24

EINECS No.: 265-199-0 Cas No: 64742-95-6

EC Index No.: 649-356-00-4 Concentration: 10-25%

R phrases (\*): R65 R37 R51 / 53 R10 Hazard symbols: Xn, N

Classification (\*):

Flam. Liq. 3 - H226

STOT SE 3 - H335

Aquatic Chronic 2 - H411

Asp. Tox. 1 - H304

Word of warning: Danger Dgr.-

Pictograms: GHS08, GHS09

\* See the full text of the R / H phrases in Section 16.

Note: According to information from our suppliers, gasoline containing less than 0.1% by weight of benzene and therefore should not be classified as carcinogenic (not applicable phrase R45).

VERSION. 3  
REVISION DATA 15/04/2014

PAGE 4 of 17  
PRINT DATA 15/04/2014



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## **POLYURETHAN AQUA TRAFFIC UV**

### **REF: PAT**

#### **4. FIRST AID:**

In cases of doubt, or when symptoms persist unwell, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation:

Remove the patient from contaminated area into the fresh air. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in appropriate recovery position. Keep the patient warm clothes until medical attention arrives.

Contact with skin:

Remove contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and mild soap, or with another product suitable for skin cleansing.

Do not use solvents.

On contact with eyes:

Remove contact lenses. Irrigation Wash eyes with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Request specialized medical care immediately.

Ingestion:

If swallowed, require immediate medical attention. Do not induce vomiting because of the risk of aspiration.

Keep at rest.

#### **5. FIRE FIGHTING MEASURES:**

Extinguishing Media:

Extinguishing powder or CO<sub>2</sub>.

In case of more serious fires, also alcohol resistant foam and water spray.

No use for extinguishing: direct water jet.

Specific hazards:

As a result of combustion or thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide, oxides of nitrogen.

Exposure to combustion or decomposition products can be harmful to health.

Anti fire protection equipment: Depending on magnitude of fire, use of protective clothing against heat, respiratory protection, gloves, goggles or face masks and boots may be necessary.



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## **POLYURETHAN AQUA TRAFFIC UV**

### **REF: PAT**

#### **6. MEASURES IN CASE OF ACCIDENTAL RELEASE**

Personal precautions:

Avoid direct contact with the product.

Avoid breathing vapors.

For exposure controls and personal protection measures, see section 8.

Precautions for environmental protection:

Avoid contamination of drains, surface or ground water, and soil.

For large spills or if the product contaminates lakes, rivers or sewages, inform the competent authorities according to local legislation.

Cleaning methods:

Pick up the spill with absorbent materials (sawdust, earth, sand, vermiculite, diatomaceous earth, etc ..).

Keep the remains in a closed container.



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## **POLYURETHAN AQUA TRAFFIC UV**

### **REF: PAT**

#### **7. HANDLING AND STORAGE:**

##### **7.1. Precautions for safe handling**

The vapors are heavier than air and may spread along floors. They may form explosive mixtures with air. Avoid creating concentrations of vapor in air flammable or explosive.

Avoid vapor concentrations higher than the exposure limits in the workplace.

The product should only be used in areas which have eliminated all naked lights and other sources of ignition. Electrical equipment and lighting must be protected to the appropriate standard.

Keep container tightly closed and isolated from heat, sparks and flame. No sparking tools that can be used.

Prevent the preparation comes into contact with skin and eyes. Avoid breathing vapor and mist caused during spraying.

For personal protection see section 8.

Never use pressure to empty the containers are not pressure-resistant containers.

In the area of application should be no smoking, eating and drinking.

Comply with legislation on safety and health at work.

Always keep in containers of same to the original material.

When the operatives are inside the spray booth, applying or not, and ventilation is unlikely to be sufficient to control particulates and solvent vapor, they should wear a respirator with air supply until the concentration of particulates and solvent vapor below exposure limits.

#### **Storage conditions:**

Prohibit entry to unauthorized persons.

Keep out of reach of children.

Keep away from heat sources.

If possible, avoid direct contact with sunlight.

To avoid spills, packages, once opened, they should be closed carefully and placed upright.

- Class of store: According to current legislation.
  - Maximum storage period: 12. months
  - Temperature range: min: 5 ° C Max: 40
  - Incompatible materials: Keep away from oxidising agents, acids, peroxides.
  - Type of packaging: According to current legislation.
  - Limit quantity, Directive 96/82 / CE ~ 2003/105 / CE (RD.1254 / 1999 ~ RD.948 / 2005) (Seveso III): Not applicable.
- Specific uses:

There are no particular recommendations for the use of this product other than those already mentioned.

## POLYURETHAN AQUA TRAFFIC UV REF: PAT

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION 98/24 / CE (RD.374 / 2001):

#### 8.1. Control parameters

TLV: Threshold Limit Value (Threshold Limit Values)

TWA: Time Weighted Average (Weighted average in time)

STEL: Short Term Exposure Limit (Short Term Exposure)

CAS No: **100-41-4**

Title: **ethylbenzene**

ACGIH - TLV-TWA (ppm): 100 A3 ACGIH - TLV-TWA (mg / m<sup>3</sup>): 434

ACGIH - TLV-STEL (ppm): 125 ACGIH - TLV-STEL (mg / m<sup>3</sup>): 543

Dir. 2000/39 / EC

8 h (ppm): 100 D 8 h. (mg / m<sup>3</sup>): 442 D

Short duration (ppm): 200 D Short duration (mg / m<sup>3</sup>): 884 D

CAS No: **108-65-6**

Title: **ethyl 1-methyl-2-methoxyethyl**

ACGIH - TLV-TWA (ppm): ACGIH - TLV-TWA (mg / m<sup>3</sup>):

ACGIH - TLV-STEL (ppm): ACGIH - TLV-STEL (mg / m<sup>3</sup>):

Dir. 2000/39 / CE

8 h (ppm): 50 D 8 h. (mg / m<sup>3</sup>): 275 D

Short duration (ppm): 100 D Short duration (mg / m<sup>3</sup>): 550 D

CAS No: **1330-20-7**

Title: **xylene**

ACGIH - TLV-TWA (ppm): 100 A4 ACGIH - TLV-TWA (mg / m<sup>3</sup>): 434

ACGIH - TLV-STEL (ppm): 150 ACGIH - TLV-STEL (mg / m<sup>3</sup>): 651

Dir. 2000/39 / EC

8 h (ppm): 50 D 8 h. (mg / m<sup>3</sup>): 221 D

Short duration (ppm): 100 D Short duration (mg / m<sup>3</sup>): 442 D

CAS No: 64742-95-6



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## **POLYURETHAN AQUA TRAFFIC UV**

### **REF: PAT**

ACGIH - TLV-TWA (ppm): ACGIH - TLV-TWA (mg / m<sup>3</sup>):

ACGIH - TLV-STEL (ppm): ACGIH - TLV-STEL (mg / m<sup>3</sup>):

Dir. 2000/39 / EC

8 h (ppm): 8 h. (mg / m<sup>3</sup>):

Short duration (ppm): Short-term (mg / m<sup>3</sup>):

A3 - Carcinogenic in animals.

A4 - Not classifiable as to carcinogenicity in humans.-

#### **8.2. Technical measures**

- Boots: No.

- Apron: No.

- Clothing: Advisable.

Exposure controls environment:

Avoid any spillage in the environment.

Avoid emissions.

Occupational exposure controls, Directive 89/686 / EEC (RD.1407 / 1992):

Provide adequate ventilation. To do this, you must make a good local ventilation and must have a good general extraction.

- Respiratory protection:

Avoid inhalation of vapors.

- Mask:

No, unless ventilation is adequate.

- Protection of eyes and face:

VERSION. 3  
REVISION DATA 15/04/2014

PAGE 9 of 17  
PRINT DATA 15/04/2014

Install emergency eye in the vicinity of the working area.





Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## **POLYURETHAN AQUA TRAFFIC UV REF: PAT**

**- Goggles:**

Safety glasses with side protection against liquid splashes (EN166).

**- Face shield: No.**

**- Protection of hands and skin:**

Install emergency showers close to the working area.

The use of protective creams may help to protect exposed skin areas.

No barrier creams should be applied once exposure has occurred.

**- Gloves:**

Resistant to chemicals (EN374).

The breakthrough time of the selected glove must exceed the period of intended use.

Gloves should be replaced immediately if signs of degradation are observed.

### **9. STABILITY AND REACTIVITY:**

Conditions to avoid:

Stable under recommended storage and handling.

- Heat: Keep away from heat sources.

- Light: If possible, avoid direct contact with sunlight.

- Air: Not applicable.

- Pressure: Not applicable.

- Shock: Not applicable

Materials to avoid:

Possible dangerous reaction with oxidizing agents, acids, peroxides.

Thermal decomposition:

As a result of thermal decomposition, dangerous products can form: nitrogen oxides. It should have a good general extraction.



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## **POLYURETHAN AQUA TRAFFIC UV REF: PAT**

### **10. PHYSICAL AND CHEMICAL PROPERTIES**

#### **10.1. Information on basic physical and chemical properties**

Appearance: Viscous Liquid

Odour: Characteristic solvent

Odour Threshold: Not applicable

pH: Not applicable

Melting / freezing point: Not applicable

Initial Boiling Point (° C): > 35 ° C

Flash Point (°C): 21-55 °C Method: Closed Cup

Evaporation Rate: Not applicable

Flammability (solid, gas): Not applicable

Lower Explosive Limit: 0.8%

Vapor Pressure: Not applicable

Vapor Density: Greater than air

Relative density: gr / ml (Data available in the Product Data Sheet)

Solubility in water: Slightly soluble

Partition coefficient n-octanol / water: Not applicable

Autoignition Temperature: Not applicable

Decomposition Temperature: Not applicable

Viscosity: (Data available on the Product Data Sheet)

Explosive properties: Not applicable

Oxidizing properties: Not applicable

## **POLYURETHAN AQUA TRAFFIC UV**

### **REF: PAT**

#### **10.2. Additional Information**

Miscibility: miscible solvents recommended in the SPC

Fat solubility (solvent, oil): Not applicable

Conductivity: Not applicable

#### **11. STABILITY AND REACTIVITY**

##### **11.1. Reactivity**

No dangerous reaction known under conditions of normal use.

##### **11.2. chemical stability**

Stable under recommended handling and storage (see ep.7).

##### **11.3. Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

##### **11.4. Conditions to avoid**

I keep away from oxidising agents and strongly alkaline or acidic materials in order to avoid exothermic reactions.

##### **11.5. incompatible materials**

Reactive or incompatible with oxidizing materials and strongly acid or alkaline materials.

##### **11.6. Hazardous decomposition products**

In case of fire may produce hazardous decomposition products such as carbon monoxide and carbon dioxide, oxides of nitrogen.

## POLYURETHAN AQUA TRAFFIC UV

### REF: PAT

#### **12. TOXICOLOGICAL INFORMATION**

**There are no data available on the product in particular. The information provided in this section is a general level.**

##### **12.1. Information on toxicological effects**

Prolonged exposure to concentrations of solvent vapors above the exposure at work can cause effects such as: (such as irritation of the mucous membranes and respiratory system, adverse effects on kidney, liver and central nervous system). The most common symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation, contact may also cause defatting of the skin and can cause an allergic contact dermatitis because no preparation is absorbed through the skin. Splashes in the eyes may cause irritation and reversible damage. Prepared irritating. Inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract.

It can also cause severe breathing difficulties, impaired central nervous system and in extreme cases unconsciousness.

Prepared irritating. His repeated or prolonged skin contact or mucous membranes can cause irritant symptoms such as redness, blistering or dermatitis. Some symptoms may not be immediate. Allergic reactions may occur in the skin.

**Be prepared, because of its high viscosity, aspiration is safe for people and therefore R65 does not apply.**

#### **13. ECOLOGICAL INFORMATION**

There are no data available on the product itself specifically.

##### **13.1. Toxicity**

The preparation has been assessed following the conventional method of Directive 1999/45 / EC - Dangerous Preparations Regulations and is classified as dangerous for the environment.

Component Information:

CAS No: **100-41-4**

Title: ethylbenzene

N-Class: 10mg / l <L (E) C50 <100mg / l

Fish 96 h LC50 (mg / l): 12

48 h algae EC50 (mg / l): 33

Readily biodegradable: ND Bioaccumulation potential: ND

LogPow: 3.15 BCF: ND



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## POLYURETHAN AQUA TRAFFIC UV REF: PAT

CAS No: **108-65-6**

Title: ethyl 1-methyl-2-methoxyethyl

N-Class: L (E) C50 > 100 mg / l

Fish Pimephales promelas - 96 h LC50 (mg / l): 161

Activated sludge bacteria - 0.5 h EC20 (mg / l): > 1000

Microorganisms DAPNIA Magna - 48 h LC50 (mg / l): > 500

Readily Biodegradable: Yes Bioaccumulative potential: ND

LogPow: ND BCF: ND

CAS No: **1330-20-7**

Title: **xylene**

N-Class: 10mg / l <L (E) C50 <100mg / l

Fish 96 h LC50 (mg / l): 75

Algae EC50 48 h (mg / l): 1-100

DAPNIA microorganisms Magna - 48 h LC50 (mg / l): 16

Readily Biodegradable: Yes Bioaccumulative potential: Low

LogPow: 3.2 BCF: ND

CAS No: **64742-95-6**

Title: **solvent naphtha (petroleum), light arom**

Readily biodegradable: ND Bioaccumulation potential: ND

LogPow: ND BCF: ND



Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## POLYURETHAN AQUA TRAFFIC UV REF: PAT

VERSION. 3  
REVISION DATA 15/04/2014

PAGE 14 of 17  
PRINT DATA 15/04/2014

### **14. DISPOSAL CONSIDERATIONS:**

Handling of waste, Directive 75/442 / EEC ~ 91/156 / CE (Law 10/1998):

Take all necessary measures in order to minimize waste production.

Analyse possible methods for revaluation or recycling.

Do not discharge into drains or the environment. Dispose to an authorized waste collection point.

Waste should be handled and disposed of in accordance with local and national regulations.

For exposure controls and personal protection measures, see section 8.

Disposal of empty containers, Directive 94/62 / CE (Law 11/1997 and RD.782 / 1998):

Empty containers and packaging should be disposed of in accordance with local and national regulations.

Procedures for neutralizing or destroying the product:

Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.

### **15. TRANSPORT INFORMATION:**

Always transport according to applicable regulations of the ADR for road, RID for rail, IMDG for sea and IATA for air.

Product name: POLYURETHANE

UN Number: 1263 Packing Group: III

#### **Road and Rail (ADR - RID)**

Class: 3 Classification code: F1 Label: 3

#### **Sea (IMDG)**

Class: 3 Label: 3

Fem: F-E, S-E GPA:

#### **Plane (IATA)**

Class: 3 Label: 3

VERSION. 3  
REVISION DATA 15/04/2014

PAGE 15 of 17  
PRINT DATA 15/04/2014

## **POLYURETHAN AQUA TRAFFIC UV**

### **REF: PAT**

#### **16. REGULATORY INFORMATION:**

##### **16.1. Regulations and legislation on safety, health and specific for the mixture**

If the product is affected by Royal Decree 227/2006 (Directive 2004/42 / CE) Limitation of Volatile Organic Compounds in products, see the maximum content stated in the Technical Data preparation COV's.

##### **16.2. Chemical Safety Assessment**

Has not conducted an evaluation of Chemical Product Safety.

#### **17. OTHER INFORMATION**

##### **Full text of R-phrases appearing in section 2:**

R20.- Harmful by inhalation.

R11.- Highly flammable.

R10.- Flammable.

R20 / 21.- Harmful by inhalation and skin contact.

R38.- Irritating to skin.

R65.- Harmful: if swallowed may cause lung damage.

R37.- Irritating to respiratory system.

R51 / 53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### **Full text of H phrases that appear in section 2:**

H225.- Highly flammable liquid and vapor.

H332.- Harmful if inhaled.

H226.- liquid and vapor.

H312.- Harmful in contact with skin.

H315.- Causes skin irritation.

H335.- can cause respiratory irritation.

H411.- Toxic to aquatic life with long lasting effects.

## POLYURETHAN AQUA TRAFFIC UV REF: PAT

H304.- May be fatal if swallowed and enters airways.

The information in this Safety Data Sheet (MSDS) has been prepared in accordance with Royal Decree 255/2003 (Directive 1999/45 / CE) and the Hazardous and subsequent amendments, and Regulation (CE) No. 1907/2006 (REACH ) - Annex II, concerning data Sheets Security, and is based on current knowledge and on current EU laws and national, a story that the working conditions of users are outside our knowledge and control.

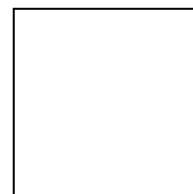
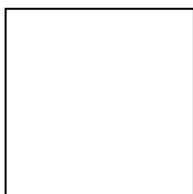
The product should not be used for purposes other than those specified in section 1 without obtaining written handling instructions.

It is always your responsibility to take the necessary measures to comply with the requirements of the regulations.

The information in this SDS is a description of the safety requirements of the preparation and should not be considered as a guarantee of its properties.

**The product is labeled as IRRITANT in accordance with Directive 67/548 / EEC ~ 2004/73 / EC**

**(RD.363 / 1995 ~ OM.PRE / 1244/2006) and 1999/45 / EC ~ 2006/8 / EC (RD.255 / 2003 ~ OM.PRE / 164/2007)**



T-R23 Toxic by inhalation.

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

S1 / 2 Keep locked up and out of reach of children.

S-7 Keep container tightly closed.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of water.

S46 If swallowed, seek medical advice immediately and show this container or label. "Do not swallow"





Safety Data Sheet  
(in agreement to (CE) n° 1907/2006)

## **POLYURETHAN AQUA TRAFFIC UV**

### **REF: PAT**

\* CEMENT DESIGN reserves the right to update and modify data in your specifications techniques according to the law. The information, prescriptions and use, are based on knowledge of CEMENT DESIGN its products through appropriate use and in normal situations. The user must check the suitability of the product by use you go to give, depending on the surface and the real conditions of the application site.

Review: - 2014