

# TECNOTOP 2C COMP. B

## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND NAME OF THE COMPANY OR ORGANIZATION

### 1.1. Name of the Product

Commercial name: TECNOTOP 2C (COMP.B)

### 1.2. Known correct use of the substance or mixture and potentially hazardous uses

Use: Polyurethane coating for waterproofing and protection >

### 1.3. Details of the supplier as listed on the safety data sheet provided

Company identification:

#### **Tecnopol**

c/ Finlàndia, 33 - 08520 Les Franqueses del Vallès

08520 Barcelona. (Spain)

Tel. (+34) 935 68 21 11.

Fax (+34) 935 68 02 11.

Email: info@tecnopol.es

### 1.4. Emergency telephone number

(National Institute of Toxicology) 0034 915 62 04 20

## 2. IDENTIFICATION OF RISKS/HAZARDS

### 2.1. Classification of the substance or mixture

Health risks: Acute toxicity by inhalation-Category 4-Attention (CLP:Acute tox. 4)-H332

Physical hazards: Flammable liquids-Category 3-Attention (CLP: Flam. Liq. 3) H226 Skin sensitization-Category 1 (H317) Specific target organ toxicity, single exposure-Category 3 (H335)

### 2.2. Identification of risks/hazards

Class and category of risk, EC Regulation Code EC 1272/2008 (CLP)

Risk Pictograms:



Warning message:

Attention

Indication of danger:

H226 Flammable liquid and vapour.



H317 May cause an allergic skin reaction.  
 H332 Harmful if inhaled.  
 H335 May cause respiratory irritation.  
 EUH 204 Contains isocyanates. May produce an allergic reaction.

## Careful handling advice

### General advice

P101 If medical advice is needed, have product container or label at hand.  
 P102 Keep out of reach of children.  
 P103 Read label before use.

### Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

### Response

P378 Use all extinguishing media for extinction  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### Storage

### Safe disposal procedure

P501 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Contents

Xylene, 1,6-Hexamethylen Disocyanate

## 2.3. Other dangers

None under normal conditions

## 3. COMPOSITION/COMPONENT INFORMATION

Chemical description: Mixture of Isocyanates and aromatic solvents

Potentially hazardous components: Xylene

Nombre del componente	Contenido	Nº CAS	Nº EC	Nº Índice	REACH ref.	Clasificación
Xylene	10 - 15 %	1330-20-7	215-535-7	601-022-00-9	--	Flam. Liq. 3 _ H226 Acute Tox. 4 (skin) _ H312 Acute Tox. 4 (inhal) _ H332 Skin Irrit. 2 _ H315 STOT SE 3 _ H335
Hexamethylene diisocyanate - 1,6	70 - 80 %	28182-81-2	--	--	--	Tox. Ag. 4 Inhalable H332 Sens. Cut. 1 H317 STOT única 3 H335
Ethyl 1-methyl- 2-methoxy	10 - 15 %	108-65-6	203-603-9	607-195-00-7	01-2119475791-29	Liq. Inf. H226

## 4. FIRST AID

### 4.1. First aid procedure

Inhalation:



**IN THE EVENT OF INHALATION:** Take the person outside into the fresh air and seat them in a comfortable breathing position. Immediately call a TOXICOLOGY INFORMATION CENTRE or a doctor. Specific treatment is urgently required.

Contact with the skin:

Remove clothing and thoroughly clean the skin exposed to the product with mild soap and water; rinse off with warm water.

Contact with the eyes:

Rinse immediately in plenty of water. Seek medical assistance if pain or irritation continues.

Swallowing:

DO NOT induce vomiting.

Seek emergency medical attention.

#### 4.2. Main symptoms and effects, acute or delayed

Symptoms related to use:

It is not considered to present significant risk when used responsibly under normal conditions.

#### 4.3. Directions to be followed in the event of any medical attention and special treatment which should be dispensed immediately.

General information:

Never administer anything by mouth to a person in an unconscious state. If the person feels unwell visit a doctor (and, if possible, show them the product information label).

## 5. PROCEDURE IN THE EVENT OF FIRE

#### 5.1. Fire extinction procedures

Correct methods:

Foam. Water mist. Dry powder. Carbon dioxide. Sand.

Incorrect extinction methods:

Never employ a direct jet of water.

Risk of fire in the vicinity:

Use water spray or mist to cool down any containers exposed to fire.

#### 5.2. Specific risks resulting from the substance or mixture

Inflammable nature:

Inflammable liquid and vapours.

Products presenting specific dangers on combustion:

In the event of fire, potentially harmful smoke and vapours may be produced.

#### 5.3. Recommendations for all personnel when fighting fires

Personal protection in the event of fire:

Never enter the fire area without adequate protective equipment, including respiratory protection.

Special procedure:

In the event of chemical fire take all the normal precautions. Avoid water from fire extinction coming into contact with the affected area.

## 6. PROCEDURE IN THE EVENT OF ACCIDENTAL SPILLAGE



## 6.1. Personal safety precautions, protective equipment and emergency procedures

### For the emergency personnel

Equip all cleaning personnel with adequate protective clothing and equipment. Ventilate the area.

### Technical procedures

Take special precautions to avoid any electrical charges. Eliminate all possible sources of ignition. Avoid all naked flames. Do not smoke.

### Special precautions

Eliminate all possible sources of ignition

## 6.2. Precautions to protect the environment

### Precautions to protect the environment:

Avoid spillage of the product into drains or water pipes. If the product does enter public water supply pipes, immediately notify the authorities.

## 6.3. Containment and cleaning methods and materials

### Cleaning methods:

Soak up the spilt product using inert solids, such as clay or diatomaceous earth, as quickly as possible. Collect and dispose of spillage in appropriate containers.

## 6.4. Reference to other sections

See section 8. Personal protection/exposure controls

# 7. HANDLING AND STORAGE

## 7.1. Precautions for safe handling

### Technical protective measures:

Ensure proper ventilation of the processing area to avoid a build up of vapours.

All equipment must be correctly earthed and procedures followed to prevent static electrical charges.

### Handling:

Wash hands and exposed skin thoroughly with a mild soap and water before eating, smoking and leaving work.

Handle all empty containers with care as residue vapours may still be inflammable.

### Special precautions:

Do not expose to naked flames. Do not smoke.

Inflammable air-vapour mixtures may be formed on use. Store and handle in the same manner as any other product which represents a serious health risk or potential danger of fire or explosion.

## 7.2. Conditions for safe storage, including possible incompatibilities

### Storage:

Always store in the original containers, in cool, well ventilated surroundings. Always keep containers closed when not in use. Keep away from naked flames.

### Always store away from the following:

Strong acids and bases. Ignition sources. Direct sunlight. Heat sources.

## 7.3. Specific end uses

### Specific end uses:

None.

# 8. PERSONAL PROTECTION/EXPOSURE CONTROLS



## 8.1 Exposure control

### Personal protection



Personal protection: Avoid all unnecessary exposure as far as possible.

Protection of the respiratory tracts: In cases where excessive vapour may be produced, always use an approved suitable masks (type A2B2P3), with particulate filter (P100)

Protection for the hands: In situations involving repeated contact, always wear gloves (coated with nitrile, butyl, PVC or neoprene.)

Protection for the eyes: Special chemical product/protective goggles should be worn.

Other precautions: Avoid eating and smoking during use

## 9. CHEMICAL AND PHYSICAL PROPERTIES

### 9.1. Information on basic chemical and physical properties

Physical state: Viscous

Colour: transparent

Smell: Solvent

Odour threshold: --

pH value: --

Melting point [°C]: --

Decomposition point [°C]: --

Critical temperature [°C]: --

Spontaneous ignition temperature [°C]: --

Flammability: Liquid and vapor flammable

Flash point [°C]: 38 °C

Initial boiling point [°C]: 145 °C

Final boiling point [°C]: --

Rate of evaporation: --

Acidic/alkaline reserves [g NaOH/100g]: --

Explosion limits - Lower [%]: --

Explosion limits - Upper [%]: --

Vapour pressure mm/Hg: --

Vapour density: --

Density [g/cm<sup>3</sup>]: 1,05 g/cm<sup>3</sup>

Water solubility [% in weight]: --

Water solubility: Insoluble

Log Pow octanol / water at 20°C: --



Solubility: Organic Solvents

Viscosity a 20°C [mPa.s]: 275 mPa.s

#### 9.2. additional information

Explosive properties: --

Oxidising properties: --

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity: Not established

### 10.2. Stability

Chemical stability: Stable under recommended storage conditions.

### 10.3. Possibility of dangerous reactions

Dangerous reactions: Not established

### 10.4. Situations to avoid

Situations to avoid: Extremely high or low temperatures. Direct sunlight. Uncontrolled fire. Overheating. Heat. Sparks.

### 10.5. Materials to avoid

Materials to avoid: Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Hazardous decomposition products: Smokes. May release flammable gases.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity: Harmful if inhaled.

Corrosivity: Yet to be established.

Irritation: Yet to be established.

Awareness: Yet to be established.

Mutagenicity: Yet to be established.

Carcinogenesis: Yet to be established.

Toxic for reproduction: Yet to be established.

Specific toxicity in certain organisms on first exposure: Yet to be established.

Specific toxicity in certain organisms on repeated exposure: Yet to be established.

Aspiration hazard: Yet to be established.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Toxicity information: Yet to be established.

### 12.2. Persistency - degradability

Persistency - degradability: Biodegradable.



## 12.3. Potential for bioaccumulation

Potential for bioaccumulation: Yet to be established.

## 12.4. Soil mobility

Log Pow octanol / water at 20°C: No data available.

Soil mobility: Yet to be established.

## 12.5. Results of PBT & vPvB assessment

Results of PBT & vPvB assessment: Not applicable.

## 12.6. Other adverse effects

Precautions for protection of the environment: Avoid release into the environment.

# 13. DISPOSAL CONSIDERATIONS/PROCEDURES

## 13.1. Correct procedure for the treatment of residues

General:


Avoid release into the environment. Disposal or dumping in accordance with local/national legislation.

Special precautions:

Handle all empty containers with care as residue vapours may still be inflammable.



## 14. TRANSPORTATION INFORMATION

Trade name: <b>TECNOTOP 2C COMP. B</b>			
Transport Regulations	ADR	IMDG	IATA
ONU Number	UN1139		
Name	COATING SOLUTION		
NOS Name	---		
Danger Labels			
Packing group	III		
Tunnels classification	( E )	---	---
Flash point (°C)	38 °C		
dangerous environment / Marine Pollutant	NO	NO	NO
Packing Instruction	P001	P001	Y334 / 355 / 366

## 15. REGULATORY INFORMATION

### 15.1. Specific legislation and regulations relating to health, safety and the environment applicable to the substance or mixture

Legislation and regulations relating to health, safety and the environment:

Ensure compliance with all local and national laws and regulations.

### 15.2. Chemical safety assessment

Chemical safety assessment:

Not undertaken.

## 16. OTHER INFORMATION

Abbreviations and acronyms: Not applicable.

Source of data:





(EC) Regulation No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND COUNCIL dated 16<sup>th</sup> December 2008 relating to the classification, labelling and packaging of substances and mixtures, issued for the purpose of modifying and replacing EEC Directives 67/548/EEC and 1999/45/EC and modifying (EC) Regulation No. 1907/2006

List of referenced H phrases:

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In accordance with (EC) REACH regulation No. 1907/2006 and (EC) CLP regulation No. 1272/2008

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