



Safety Data Sheet dated 20/10/2009, version 4

#### 1. PRODUCT AND COMPANY IDENTIFICATION

Trade name: TRANSPARENT POLYURETHANE MATTTOP COAT FOR OUTDOORS  
Trade code: LP157I  
Product type and use: Paint for wood  
Company:  
INDUSTRIA CHIMICA ADRIATICA S.p.a. Z. Ind. A - v. S. Pertini, 52 62012 Civitanova  
Marche (MC) ITALY  
Emergency telephone number of the company and/or of an authorised advisory centre:  
ICA Spa - Tel. + (39) 733 8080 Fax. + (39) 733 808140  
Competent person responsible for the safety data sheet:  
icalab1@icaspa.com

#### 2. HAZARD IDENTIFICATION

Properties / Symbols:  
<SYMB,F> F Highly flammable  
<SYMB,Xn> Xn Harmful  
<SYMB,Xi> Xi Irritant  
R Phrases:  
R11 Highly flammable.  
R20/21 Harmful by inhalation and in contact with skin.  
R38 Irritating to skin.

#### 3. COMPOSITION/INFORMATION ON COMPONENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

24% - 28% xylene

N.67/548/CEE: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7

Xn,Xi; R10-20/21-38

14% - 18% n-butyl acetate

N.67/548/CEE: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1

R10-66-67; substance with a Community workplace exposure limit

7% - 10% butanone

N.67/548/CEE: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0

F,Xi; R11-36-66-67

1% - 4% Ethoxy propil acetate

N.67/548/CEE: 603-177-00-8 CAS: 54839-24-6 EINECS: 259-370-9

R10 R67

0.5% - 1% ethyl acetate

N.67/548/CEE: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4

F,Xi; R11-36-66-67

Please consul chapter 16 of this SDS for full text of mentioned Risk-phrases.

#### 4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person.

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Obtain medical attention if soreness or redness persists.

Contact with eyes:

Remove contact lens if easily possible.

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Safety Data Sheet  
TRANSPARENT POLYURETHANE MATTTOP COAT FOR OUTDOORS

Wash immediately with water for at least 10 minutes, holding the eye open. Obtain medical attention.

Swallowing:

Wash out mouth with water.

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises to rest in a well ventilated area. OBTAIN MEDICAL ATTENTION.

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5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

In case of fire use chemical powders, CO2, foam, nebulized water.

Extinguishers not allowed/not suitable:

Water jet.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

Cool the containers exposed to the fire with water.

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6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

Rapidly recover the product. To do so, wear a mask and protective clothing.

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

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7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.

Do not eat or drink while working.

Do not smoke while working.

Incompatible materials:

None in particular. See, too, paragraph 10 below.

Storage conditions:

Always keep the containers tightly closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Use adequate protective respiratory equipment.

Protection for hands:

Use protective gloves that provides comprehensive protection.

Eye protection:

Use close fitting safety goggles and/or visor.

Protection for skin:

Safety Data Sheet  
TRANSPARENT POLYURETHANE MATTTOP COAT FOR OUTDOORS

Use clothing that provides comprehensive protection to the skin.

Exposure limit(s) (ACGIH):

xylene

VLE 8h: 221 mg/m<sup>3</sup> - 50 ppm VLE short: 442 mg/m<sup>3</sup> - 100 ppm TLV TWA: 100 ppm, A4 - 434 mg/m<sup>3</sup>, A4

TLV STEL: 150 ppm, A4 - 651 mg/m<sup>3</sup>, A4

n-butyl acetate

TLV TWA: 150 ppm - 713 mg/m<sup>3</sup> TLV STEL: 200 ppm - 950 mg/m<sup>3</sup>

butanone

VLE 8h: 600 mg/m<sup>3</sup> - 200 ppm VLE short: 900 mg/m<sup>3</sup> - 300 ppm TLV TWA: 200 ppm - 590 mg/m<sup>3</sup> TLV

STEL: 300 ppm - 885 mg/m<sup>3</sup>

ethyl acetate

TLV TWA: 400 ppm - 1440 mg/m<sup>3</sup> TLV STEL: 300-325 ppm

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Liquid yellow Opalescent
Odour:	Characteristic
pH:	N. A.
Boiling point:	> 80 °C
Flash point:	> - 4 °C
Relative density:	0.94 - 1.04 kg/l
Solubility in water:	Insoluble
Vapour density:	> 1

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#### 10. STABILITY AND REACTIVITY

Conditions to avoid:

Avoid accumulating electrostatic charge.

Substances to avoid:

Acids. Bases. Oxidising agents.

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

Oxides of carbon.

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#### 11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

xylene

Penetration throught: inhalation, ingestion and in contact with skin. Oral LD50 (rat): 5 g/kg. Inhalation LC50 (rat): 6700 ppm/4 h.

n-butyl acetate

Low order of acute toxicity. Oral LD50 (rat): > 4.7 g/kg. Inhalation LC50 (rat): 9.6 - 29.2 mg/litre/4h. Dermal LD50 (rabbit): > 5 g/kg. No know reports of skin sensitisation.

butanone

Penetration throught: Inhalation, ingestion and in contact with skin. Oral DL50 (rat): > 2000 mg/kg. Inhalation LC50 (rat): > 5 mg/l. Dermal DL50 (rabbit): > 2000 mg/kg. High concentrations can cause depression of the central nervous system, with consequent headaches, giddiness and nausea.

Ethoxy propil acetate

Low order of acute toxicity. Oral LD50 (rat): 4755 mg/kg. Inhalation LC50 (rat): > 6.99 mg/l/4h. The degree of irritation was insufficient to warrant labelling as an eye irritant and a skin irritant.

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#### 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

Prevent product entering water courses, sewers and prevent penetration of the product into the earth.

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#### 13. DISPOSAL

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Safety Data Sheet  
TRANSPARENT POLYURETHANE MATTTOP COAT FOR OUTDOORS

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

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14. TRANSPORT INFORMATION

ADR-UN Number:	1263
ADR/RID Class:	3
ADR-Superior Number:	33
ADR-Shipping Name:	Paint
ADR-Label:	3
ADR-Packing Group:	II
IATA-UN Number:	1263
IATA-Class:	3
IATA-Packing group:	II
Marine pollutant:	No
IMDG-UN Number:	1263
IMDG-Class:	3
IMDG-Technical name:	Paint
IMDG-Packing group:	II

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15. REGULATORY INFORMATION

Council Directive 67/548/EEC (Classification, packaging and labelling of dangerous substances) and subsequent amendments. Commission Directive 1999/45/EC (Classification, packaging and labelling of dangerous preparation) and subsequent amendments. Commission Directive 98/24/EC (Protection of the health and safety of workers from the risk related to chemical agent). Commission Directive 2000/39/EC (Occupational exposure limit values). Regulation (EC) No 1907/2006 (REACH).

Symbols:

<SYMB,Xn> Xn Harmful

<SYMB,F> F Highly flammable

R Phrases:

R11 Highly flammable.

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

R38 Irritating to skin.

S Phrases:

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe vapour.

S25 Avoid contact with eyes.

S36/37 Wear suitable protective clothing and gloves.

S51 Use only in well-ventilated areas.

Contents:

xylene

Volatile Organic compounds - VOCs = 51% - 54%

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 39 - 42

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

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16. OTHER INFORMATION

Text of R phrases used in paragraph 3

R10 Flammable.

R11 Highly flammable.

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

R36 Irritating to eyes.

R38 Irritating to skin.

R66 Repeated exposure may cause skin dryness or cracking.

Safety Data Sheet  
TRANSPARENT POLYURETHANE MATTTOP COAT FOR OUTDOORS

R67 Vapours may cause drowsiness and dizziness.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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