



# BORMA WACHS

*di Bortoluzzi Franco*

PRODOTTI PROFESSIONALI PER  
L'INDUSTRIA DEL MOBILE E LA CURA DEL LEGNO

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## SAFETY DATA SHEET

### 1 MATERIAL/ MANUFACTURER'S DESCRIPTION

#### 1.1 Information on product

Trade name: TOUCH-UP DYE

#### 1.2 Information on manufacturer / supplier

BORMA - WACHS  
di Bortoluzzi Franco  
Via A. Meucci 11/A  
30016 Jesolo VE  
Tel. 0421/951900 Fax 0421/951902

### 2 COMPOSITION

DENOMINATION	CONC. ( C )	CLASS	SENT.
XYLENE - N. CAS : 1330-20-7 - N. CEE : 215-535-7 - N. Index : 601-022-00-9	10,9 <= C < 12,5	Xn, Xi	R10 R 20/21 R38
2-METHOXY-1-METHYLETHYL ACETATE - N. CAS : 108-65-6 - N. CEE : 203-603-9 - N. Index : 607-195-00-7	3,3 <= C < 3,9	Xi	R10 R36
ISOBUTYL ALCOHOL - N. CAS : 78-83-1 - N. CEE : 201-148-0 - N. Index : 603-108-00-1	6,2 <= C < 7,2	Xi	R10-R67 R37/38 R41
TOLUENE - N. CAS : 108-88-3 - N. CEE : 203-625-9 - N. Index : 601-021-00-3	18,1 <= C < 19,6	F, Xn	R11 R20

ACETONE - N. CAS : 67-64-1 - N. CEE : 200-662- 2 - N. Index : 606-001-00-8	6,2 <= C < 7,2	F, Xi	R66-R67 R11-R36
ETHYL ACETATE - N. CAS : 141-78-6 - N. CEE : 205-500-4 - N. Index : 607-022-00-5	2,2 <= C < 2,8	F, Xi	R66-R67 R11-R36
N-BUTYL ACETATE - N. CAS : 123-86-4 - N. CEE : 204-658-1 - N. Index : 607-025-00-1	9,5 <= C < 11		R10 R66 R67

The complete text of -R- phrases is specified in section 16.

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### 3 HAZARD IDENTIFICATION

#### 3.1 Substance/Preparation Classification

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments.

This prepareate requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in section 11 and 12 of this sheet.

Danger Symbols: F, Xn  
Phrases R: 11-20/21-36

#### 3.2 Danger Identification

This product may easily catch fire after brief exposure to an ignition source, going on burning even after source removal.

Harmful by inhalation and in contact with skin.

Irritating to eyes.

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### 4 FIRST AID MEASURES

#### 4.1 On inhalation

Remove to fresh air. If breathing is irregular seek medical advice.

#### 4.2 On ingestion

Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

#### 4.3 On contact with eyes

Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

#### 4.4 On contact with skin

Wash immediately with plenty of water. Remove contaminated clothes. If irritation persists seek medical attention. Wash contaminated clothing before using them.

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### 5 FIREFIGHTING MEASURES

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

Extinguishing measures: CO<sub>2</sub>, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, self-breathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

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## 6 ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Cover with inert absorbent material. Collect spillages by means of spark-proof equipment. Use water only to remove residuals, so as not to run the risk of enter the sewer.

Do not let the product dry. Contaminated clothes must be left to soak in water before washing. In order to choose safety measures and protection equipment, please see the other section of this sheet.

Spillage in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material.

Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

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## 7 HANDLING AND STORAGE

Avoid the accumulation of electrostatic charges. Store the containers sealed and in a well-ventilated place. Vapours may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring cross-ventilation.

Without adequate ventilation, the vapours may accumulate at the bottom and ignite at a distance, if triggered off with the risk of flashback. Keep far away from sources of heat, and naked flames. Do not smoke, use matches or lighters. Keep the containers earthed while decanting and wear antistatic boots.

Vigorous stirring and flow through the pipings and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product. In order to avoid the risk of fire outbreak and explosion never use compressed air during movement.

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## 8 EXPOSURE CONTROL AND PERSONAL PROTECTION EQUIPMENT

### XYLENE

- TLV TWA	434 mg / m <sup>3</sup>	ACGIH
- TLV STEL	651 mg / m <sup>3</sup>	ACGIH

### 2-METHOXY-1-METHYLETHYL ACETATE

- TLV TWA	270 mg / m <sup>3</sup>	MAK
<b>ISOBUTYL ALCOHOL</b>		
- TVL TWA	152 mg / m <sup>3</sup>	ACGIH
<b>TOLUENE</b>		
- TLV TWA	188 mg / m <sup>3</sup>	ACGIH
<b>ACETONE</b>		
- TLV TWA	1188 mg / m <sup>3</sup>	ACGIH
- TLV STEL	1782 mg / m <sup>3</sup>	ACGIH
<b>ETHYL ACETATE</b>		
- TLV TWA	1440 mg / m <sup>3</sup>	ACGIH
<b>N-BUTYL ACETATE</b>		
- TLV TWA	713 mg / m <sup>3</sup>	ACGIH
- TLV STEL	950 mg / m <sup>3</sup>	ACGIH
TLV of solvent mixture:	291 mg / mc	

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Solubility</b>	N.A.
<b>Specific gravity</b>	0,970 kg/l
<b>Solubility in water</b>	Not soluble
<b>Odour</b>	Typical
<b>Colour</b>	Typical
<b>Appearance</b>	Liquid
<b>Vapour density</b>	N.A.
<b>Evaporation speed</b>	N.A.
<b>Comburent properties</b>	N.A.
<b>Partition coefficient:</b>	
<b>n-octanol/water</b>	N.A.
<b>Viscosity</b>	26" F4
<b>pH</b>	N.A.
<b>Boiling point</b>	N.A.
<b>Flash point</b>	< 21° C
<b>Explosive properties</b>	N.A.
<b>Vapour pressure</b>	0,31 mmHg
<b>Specific gravity</b>	N.A.
<b>Molecular weight</b>	1,000

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## 10 STABILITY AND REACTIVITY

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbon-oxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

The xylene present is stable but may give violent reactions if placed in contact with strong oxidants such as nitric acid, sulfuric acid, perchlorates and similar agents. It is biodegradable in water and decomposes in the sunlight (photo-degradable).

1-methoxy-2-propylacetate: it is stable but in presence of air, it can gradually form peroxides which explode due to the rise in temperature. It can react violently with oxidizing agents and strong acids and alkaline metals. Avoid copper, aluminium and their alloys when storing. Store under inert atmosphere, repaired from humidity because it easily hydrolyses.

Toluene is biodegradable in water and degrades when exposed to sunlight. Toluene reacts with sulfuric acid with the development of heat.

Nitro-cellulose: avoid sunlight, heat, shocks and frictions. Keep away from acids, bases and strong oxidizing agents.

Acetone reacts violently with chloroform in basic ambient with the risk of fires and explosion (ref. Handling chemicals safely).

Ethyl acetate may decompose when heated with water and reacts with strong oxidizing agents (see INRS NIS FORM N18, ED. 1991).

N-butyl acetate easily decomposes with water especially when heated.

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## 11 TOXICOLOGICAL INFORMATION

Acute effects: inhalation or cutaneous absorption of this product are harmful. This product may irritate mucosae, the upper respiratory tract, and eyes. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Upon contact with skin, this product may irritate it, causing an increase in skin temperature, swelling and itchiness. Ingestion of even small amounts of this product may cause health problems (stomach pain, nausea, sickness, diarrhoea, etc.).

Acute effects: stinging eyes. Symptoms may include: rubescence, edema, pain and lachrymation. Vapour inhalation may moderately irritate the upper respiratory tract. Contact with skin may cause slight irritation.

Toluene: it has a toxic effect on the central and peripheral nervous system (with encephalopathies and polyneuritis).

Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

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## 12 ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

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## 13 DISPOSAL INFORMATION

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

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## 14 TRANSPORT INFORMATION

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packings or in packings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained

on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

**Road and rail transport:**

<b>ADR</b>	3
<b>UN</b>	1263
<b>Packing group</b>	II
<b>Label</b>	3
<b>Nr. Kemler</b>	33

**Carriage by sea (shipping):**

<b>IMO class</b>	3
<b>UN</b>	1263
<b>Packing group</b>	II
<b>EMS</b>	3-05

**Transport by air:**

<b>IATA</b>	3
<b>UN</b>	1263
<b>Packing group</b>	II
<b>Label</b>	3

## 15 REGULATORY INFORMATION

Symbol Xn HARMFUL  
Symbol F HIGHLY FLAMMABLE

R11 Highly flammable  
R20/21 Harmful by inhalation and in contact with skin  
R36 Irritating to eyes  
S7/9 Keep container tightly closed and in a well-ventilated place  
S13 Keep away from food, drink and animal feeding-stuffs  
S16 Keep away from source of ignition. No smoking  
S33 Take precautionary measures against static discharges  
S36 Wear suitable protective clothing

Contains: TOLUENE

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CEE.

## 16. OTHER INFORMATIONS

Text of –R- phrases quoted in section 2 of the sheet.

-R10 Flammable  
-R11 Highly flammable  
-R20 Harmful by inhalation  
-R20/21 Harmful by inhalation and in contact with skin

-R36	Irritating to eyes
-R37/38	Irritating to respiratory system and skin
-R38	Irritating to skin
-R41	Risk of serious damage to eyes
-R66	Repeated exposure may cause skin dryness or cracking
-R67	Vapours may cause drowsiness and dizziness

#### GENERAL BIBLIOGRAPHY

1. Regulations 1999/45/CEE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. –10<sup>th</sup> Edition;
5. Handling Chemical Safety;
6. Niosh – Registry of Toxic Effects of Chemical Substances;
7. INRS – Fiche Toxicologique (toxicological sheet);
8. Patty – Industrial Hygiene and Toxicology;
9. N.I. Sax – Dangerous properties of Industrial Materials-7, 1989 Edition;

#### Note for users:

The information contained in the present sheet are based on our knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee or any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.