

## 1 Identification

· **Product identifier**

- *Product number* PD2T51
- *Trade name:* **WALNUT ANTIQUING WB PATINA**
  - *Application of the substance / the mixture* For professional use

· **Details of the supplier of the safety data sheet**

- *Manufacturer/Supplier:*  
IVM Chemicals srl  
Viale della Stazione 3 -27020 Parona (PV) Italy tel +39 038425441

1.3.2 Importer

Name I.C. & S. DISTRIBUTING CO.  
Address P.O. BOX 10845  
LANCASTER. PA  
USA  
E-Mail: nelson@ics-company.com

· *Information department:*

Environmental Health and safety office  
hseoffice@ivmchemicals.com

· *Emergency telephone number:*

ChemTel Expert Assistance Hotline/MSDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

## 2 Hazard(s) identification

· **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.

Flam. Liq. 4 H227 Combustible liquid. Flam. Liq. 4

· **Label elements**

· *GHS label elements*

The product is classified and labeled according to the Globally Harmonized System (GHS).

· *Hazard pictograms*



GHS07

· *Signal word* Warning

· *Hazard-determining components of labeling:*

C.I. ACID BLACK 194

· *Hazard statements*

H227 Combustible liquid. Flam. Liq. 4  
H317 May cause an allergic skin reaction.

· *Precautionary statements*

P210 Keep away from flames and hot surfaces. . No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P363 Wash contaminated clothing before reuse.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



**3 Composition/information on ingredients**

**Chemical characterization: Mixtures**

· **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

111-76-2	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319 Flam. Liq. 4, H227	2.5-4.99%
112-34-5	2-(2-butoxyethoxy)ethanol ⚠ Eye Irrit. 2A, H319	1-2.49%
73324-01-3	C.I.ACID YELLOW 204 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	1-2.49%
57693-14-8	C.I. ACID BLACK 194 ⚠ Aquatic Chronic 2, H411 ⚠ Eye Irrit. 2A, H319; Skin Sens. 1, H317 Aquatic Acute 2, H401	≥0.25-<0.5%

**4 First-aid measures**

**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.

personal protective equipment for first aid responders is recommended. (please see section 8)

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

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

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Do not induce vomiting; immediately call for medical help.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

For symptoms and effects caused by substances, refer to Section 11.

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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## 5 Fire-fighting measures

### · Extinguishing media

#### · Suitable extinguishing agents:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### · Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

No further relevant information available.

### · Advice for firefighters

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

#### · Protective equipment:

Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

## 6 Accidental release measures

### · Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

### · Environmental precautions: Do not allow to enter sewers/ surface or ground water.

### · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to Section 13.

Ensure adequate ventilation.

### · 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.

### · Protective Action Criteria for Chemicals

#### · PAC-1:

25265-77-4	2,2,4-Trimethyl-1,3-pentanediolmono(2-methylpropanoate)	13 mg/m
112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
25322-69-4	Propane-1,2-diol, propoxylated	30 mg/m
112-07-2	2-butoxyethyl acetate	15 ppm
57-55-6	propane-1,2-diol	30 mg/m
124-68-5	2-amino-2-methylpropanol	17 mg/m

#### · PAC-2:

25265-77-4	2,2,4-Trimethyl-1,3-pentanediolmono(2-methylpropanoate)	140 mg/m
112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
25322-69-4	Propane-1,2-diol, propoxylated	330 mg/m
112-07-2	2-butoxyethyl acetate	35 ppm
57-55-6	propane-1,2-diol	1,300 mg/m
124-68-5	2-amino-2-methylpropanol	190 mg/m

#### · PAC-3:

25265-77-4	2,2,4-Trimethyl-1,3-pentanediolmono(2-methylpropanoate)	840 mg/m
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112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
25322-69-4	Propane-1,2-diol, propoxylated	2,000 mg/m
112-07-2	2-butoxyethyl acetate	210 ppm
57-55-6	propane-1,2-diol	7,900 mg/m
124-68-5	2-amino-2-methylpropanol	570 mg/m

## 7 Handling and storage

### · Handling:

#### · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.

#### · Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

### · Conditions for safe storage, including any incompatibilities

#### · Storage:

##### · Requirements to be met by storerooms and receptacles:

Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.

In cases where there is no reported expiration date, it means that the product must be used within 8 months.

Take on temperature greater than 5 ° C

##### · Information about storage in one common storage facility: Not required.

##### · Further information about storage conditions: Keep receptacle tightly sealed.

### · Specific end use(s) Those typical of the product and the instructions in the data sheet if required.

## 8 Exposure controls/personal protection

### · Additional information about design of technical systems: No further data; see item 7.

### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

#### 112-34-5 2-(2-butoxyethoxy)ethanol

TLV (USA)	Long-term value: 67.5* mg/m, 10* ppm *Inhalable fraction and vapor
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#### · Ingredients with biological limit values:

#### 111-76-2 2-butoxyethanol

BEI (USA)	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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· Additional information: The lists that were valid during the creation were used as basis.

### · Exposure controls

#### · Personal protective equipment:

##### · General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.

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- **Breathing equipment:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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

- **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.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

##### · Appearance:

- **Form:** Fluid
- **Color:** According to product specification

- **Odor:** Characteristic
- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

#### · Change in condition

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** 100 °C (212 °F)

- **Flash point:** 65 °C (149 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 225 °C (437 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Not determined.

#### · Explosion limits:

- **Lower:** 0.9 Vol %
- **Upper:** 10.6 Vol %

- **Vapor pressure at 20 °C (68 °F):** 1.2 hPa (0.9 mm Hg)

- **Density (+/- 0,03) at 20 °C (68 °F):** 1.025 g/cm (8.554 lbs/gal)

- **Relative density** Not determined.
- **Vapor density** Not determined.

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· <b>Evaporation rate</b>	Not determined.	
· <b>Solubility in / Miscibility with</b>		
· <b>Water:</b>	Not miscible or difficult to mix.	
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.	
· <b>Viscosity:</b>		
· <b>Dynamic:</b>	Not determined.	
· <b>Kinematic at 20 °C (68 °F):</b>	40 s (ISO 4 mm)	
· <b>Oxidising properties:</b>	N.A.	
· <b>Solvent content:</b>		
· <b>Water:</b>	74.0 %	
· <b>VOC content:</b>	5.86 %	
	60.1 g/l / 0.50 lb/gal	
· <b>Solids content:</b>	20.5 %	
· <b>Other information (HAPS)</b>	No further relevant information available.	
112-34-5	2-(2-butoxyethoxy)ethanol	1-2.49%
112-07-2	2-butoxyethyl acetate	<0.5%
107-21-1	ethanediol	<0.1%
1330-20-7	xylene	<0.01%
98-82-8	cumene	<0.01%
· <b>Other information</b>	No further relevant information available.	

## 10 Stability and reactivity

- **Reactivity** typical of the product as indicated in the data sheet
  - **Chemical stability** The product is stable in normal conditions of storage and use recommended
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

### · Information on toxicological effects

#### · Acute toxicity:

#### · LD/LC50 values that are relevant for classification:

#### 111-76-2 2-butoxyethanol

Oral	LD50	1,480 mg/kg (mouse)
Dermal	LD50	1,100 mg/kg (rab)

#### 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	6,600 mg/kg (mouse)
Dermal	LD50	2,764 mg/kg (rabbit)

#### · Primary irritant effect:

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

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- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
 Irritant  
 Contains C.I. ACID BLACK 194, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.  
 Safety data sheet available on request.

- **Carcinogenic categories**

Carbon Black

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to carbon black but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as paint."

- **IARC (International Agency for Research on Cancer - Cl. 1 and 2)**

1333-86-4	Carbon black	2B Dust
98-82-8	cumene	2B

- **NTP (National Toxicology Program)**

98-82-8	cumene	<0.01%
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- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

**111-76-2 2-butoxyethanol**

EC50	1,840 mg/l (algae) (72 h)
	1,550 mg/l (daphnia) (48 h)
LC50 (96h)	1,474 mg/l (Fish)

**112-34-5 2-(2-butoxyethoxy)ethanol**

EC50	1,001 mg/l (daphnia) (48 h)
LC50 (96h)	1,300 mg/l (Leuciscus idus melanotus)

**55809-98-8 C.I. ACID ORANGE 142**

EC50	10 mg/l (daphnia)
LC50 (96h)	1 mg/l (Poecilia reticulata) (OECD - Linee guida 203)

- **Persistence and degradability** No further relevant information available.

- **Substances Easily biodegradable**

111-76-2	2-butoxyethanol	.
112-34-5	2-(2-butoxyethoxy)ethanol	.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
 Hand over to hazardous waste disposers.  
 Dispose of contents and container in accordance with local state and federal regulations.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**  
 · DOT, ADN, IMDG, IATA Not applicable
- **UN proper shipping name**  
 · DOT, ADN, IMDG, IATA Not applicable
- **Transport hazard class(es)**  
 · DOT, ADR, ADN, IMDG, IATA  
 · Class Not applicable
- **Packing group**  
 · DOT, IMDG, IATA Not applicable
- **Environmental hazards:**  
 · Marine pollutant: No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** Not applicable

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 Requirements of Federal Register  
 · SARA

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings) :**

111-76-2	2-butoxyethanol	2.5-4.99%
112-34-5	2-(2-butoxyethoxy)ethanol	1-2.49%
73324-01-3	C.I.ACID YELLOW 204	1-2.49%
112-07-2	2-butoxyethyl acetate	<0.5%
107-21-1	ethanediol	<0.1%

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1336-21-6	ammonia	<0.1%
95-63-6	1,2,4-trimethylbenzene	<0.01%
1330-20-7	xylene	<0.01%
98-82-8	cumene	<0.01%
1344-28-1	aluminium oxide	<0.01%

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

73324-01-3	C.I.ACID YELLOW 204
107-21-1	ethanediol
1330-20-7	xylene
98-82-8	cumene

· **Proposition 65**

· **Chemicals known to cause cancer:**

Carbon black only in bound form

1333-86-4	Carbon black	*	<0.5%
98-82-8	cumene	*	<0.01%

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

107-21-1	ethanediol	<0.1%
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· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

111-76-2	2-butoxyethanol	NL	2.5-4.99%
95-63-6	1,2,4-trimethylbenzene	II	<0.01%
1330-20-7	xylene	I	<0.01%
98-82-8	cumene	D, CBD	<0.01%
526-73-8	1,2,3-trimethylbenzene	II	<0.01%

· **TLV (Threshold Limit Value established by ACGIH)**

111-76-2	2-butoxyethanol	A3
1333-86-4	Carbon black	A4
112-07-2	2-butoxyethyl acetate	A3
112945-52-5	silicon dioxide	A4
107-21-1	ethanediol	A4
1330-20-7	xylene	A4
1344-28-1	aluminium oxide	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4	Carbon black	<0.5%
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· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

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 · **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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.

 · **Department issuing SDS:** IVM Chemicals Srl

 · **Contact:** See emergency phone

 · **Date of preparation / last revision** 08/08/2019 / 40

 · **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety &amp; Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 4: Flammable liquids . Category 4

Acute Tox. 4: Acute toxicity . Category 4

Skin Irrit. 2: Skin corrosion/irritation . Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation . Category 2A

Skin Sens. 1: Skin sensitisation . Category 1

STOT SE 3: Specific target organ toxicity (single exposure) . Category 3

Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard . Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard . Category 2

 · **Sources**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and following amendments

Agency ECHA web site

INRS Fiche Toxicologique

IARC International agency for research on cancer

 · **\* Data compared to the previous version altered.**