

## **SECTION 1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Product code : D3 - Vernice  
Trades code : A15-050  
Product line: Tintolav

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Presmacchiatore for paint stains, glazes, glue, ink, biro, tar and lipstick

Sectors of use:

Industrial Manufacturing[SU3], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Uses advised against

Do not use for purposes other than those listed

### **1.3. Details of the supplier of the safety data sheet**

Tintolav s.r.l. - Via M. D' Antona 7 - 10028 Trofarello (TO) Tel. 011/649.68.27 Fax 011/649.67.42

Email: [info@tintolav.com](mailto:info@tintolav.com) - Sito internet: [www.tintolav.com](http://www.tintolav.com)

Email tecnico competente: [a.conedera@tintolav.com](mailto:a.conedera@tintolav.com)

National contact: Malta: Emergency Ambulance 112  
Accident & Emergency Department 2545 4030

### **1.4. Emergency telephone number**

The UK National Poisons Emergency number +44 (0)870 600 6266  
London: Emergency 24 hour telephone +44 (0) 207188 0100

## **SECTION 2. Hazards identification**

### **2.1. Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS02, GHS05, GHS07

Hazard Class and Category Code(s):

Flam. Liq. 1, Eye Dam. 1, STOT SE 3

Hazard statement Code(s):

H224 - Extremely flammable liquid and vapour.

H318 - Causes serious eye damage.

H336 - May cause drowsiness or dizziness.

The product ignites easily even at temperatures below 10 °C.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

Warning: Vapours inhalation may cause sleepiness and giddiness

### **2.2. Label elements**

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):  
GHS02, GHS05, GHS07 - Danger



Hazard statement Code(s):  
H224 - Extremely flammable liquid and vapour.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.

Supplemental Hazard statement Code(s):  
EUH066 - Repeated exposure may cause skin dryness or cracking.

**Precautionary statements:**

**Prevention**

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P261 - Avoid breathing vapours.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER/doctor/physician
- P370+P378 - In case of fire: Use CO2 or foam to extinguish.

**Storage**

- P403+P235 - Store in a well-ventilated place. Keep cool.

**Contains:**

n-butyl acetate, Coconut diethanolamide , diethanolamine

**Contains (Reg.EC 648/2004):**

15% < 30% non-ionic surfactants

**2.3. Other hazards**

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards  
For professional use only

**SECTION 3. Composition/information on ingredients**

**3.1 Substances**

Irrilevant

**3.2 Mixtures**

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
n-butyl acetate - FEMA 2174	> 50 <= 75%	EUH066; Flam. Liq. 3, H226; STOT SE 3, H336	607-025-00-1	123-86-4	204-658-1	
Fatty alcohol ethoxylate	> 5 <= 10%	Acute Tox. 4, H302; Eye Dam. 1, H318		64425-86-1		02-2119548 515-35-000 0
Coconut diethanolamide	> 5 <= 10%	Skin Irrit. 2, H315; Eye Dam. 1, H318		68603-42-9	271-657-0	

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
2-(2-butoxyethoxy)ethanol	> 5 <= 10%	Eye Irrit. 2, H319	603-096-00-8	112-34-5	203-961-6	

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

**Direct contact with skin (of the pure product):**

Wash thoroughly with soap and running water.

**Direct contact with eyes (of the pure product):**

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

**Ingestion:**

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER/doctor/physician

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

**Advised extinguishing agents:**

In the case of fire use: CO2 or Foam. Don't use water!

**Extinguishing means to avoid:**

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

### 5.2. Special hazards arising from the substance or mixture

No data available.

### 5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

## SECTION 6. Accidental release measures

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**6.1. Personal precautions, protective equipment and emergency procedures**

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke  
Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing  
Eliminate all unguarded flames and possible sources of ignition. No smoking.  
Provision of sufficient ventilation.  
Evacuate the danger area and, in case, consult an expert.

**6.2. Environmental precautions**

Contain spill with earth or sand.  
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.  
Discharge the remains in compliance with the regulations

**6.3. Methods and material for containment and cleaning up**

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing  
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.  
Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

**6.4. Reference to other sections**

Refer to paragraphs 8 and 13 for more information

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**SECTION 7. Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact and inhalation of vapors  
Wear protective gloves/protective clothing/eye protection/face protection.  
In residential areas do not use on large surfaces.  
Do not smoke at work  
At work do not eat or drink.  
See also paragraph 8 below.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep in original container closed tightly. Do not store in open or unlabeled containers.  
Keep containers upright and safe by avoiding the possibility of falls or collisions.  
Store in a cool place, away from sources of heat and direct exposure of sunlight.  
Keep containers tightly closed.  
Always store in well ventilated areas.  
Never close the container tightly, leave a chance to vent  
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

**7.3. Specific end use(s)**

Industrial Manufacturing:  
Handle with extreme caution.

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Store in a well ventilated place away from heat sources.

Public domain (administration, education, entertainment, services, craftsmen):  
Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Related to contained substances:

n-butyl acetate:

TLV: 150 ppm come TWA 200 ppm come STEL (ACGIH 2003).

MAK: 100 ppm 480 mg/m<sup>3</sup> Categoria limitazione di picco: I(2) Gruppo di rischio per la gravidanza: C (DFG 2003).

NIOSH: 150 ppm TWA; 710 mg/m<sup>3</sup> TWA 1700 ppm IDLH

OSHA - Final PELs: 150 ppm TWA; 710 mg/m<sup>3</sup> TWA

2-(2-butoxyethoxy)ethanol:

CVE: TWA 10 ppm 67.5 mg/m<sup>3</sup> STEL 15 ppm 101.2 mg/m<sup>3</sup>

MAK DFG 10 ppm 67 mg/m<sup>3</sup>

- Substance: n-butyl acetate

DNEL

Systemic effects Long term Workers inhalation = 480 (mg/m<sup>3</sup>)

Systemic effects Long term Consumers inhalation = 102,34 (mg/m<sup>3</sup>)

Systemic effects Short term Workers inhalation = 960 (mg/m<sup>3</sup>)

Systemic effects Short term Consumers inhalation = 859,7 (mg/m<sup>3</sup>)

Local effects Long term Workers inhalation = 480

Local effects Long term Consumers inhalation = 102,34 (mg/m<sup>3</sup>)

Local effects Short term Workers inhalation = 960 (mg/m<sup>3</sup>)

Local effects Short term Consumers inhalation = 859,7 (mg/m<sup>3</sup>)

PNEC

Sweet water = 0,18 (mg/l)

sediment Sweet water = 0,98 (mg/kg/sediment)

Sea water = 0,01 (mg/l)

sediment Sea water = 0,09 (mg/kg/sediment)

intermittent emissions = 0,36 (mg/l)

STP = 35,6 (mg/l)

ground = 0,09 (mg/kg ground)

### 8.2. Exposure controls

Appropriate engineering controls:

Industrial Manufacturing:

No specific monitoring foreseen

Public domain (administration, education, entertainment, services, craftsmen):

No specific monitoring foreseen

Individual protection measures:

(a) Eye / face protection

Wear mask

(b) Skin protection



**(i) Hand protection**

Manipulate with gloves. The gloves should be checked before being used. Use a technique suitable for the removal of gloves (without touching the outside of the glove) to avoid skin contact with this product dispose of contaminated gloves after use in accordance with the legislation and good laboratory practices. Wash and dry your hands. Selected protective gloves shall comply with the requirements of EU Directive 89/686/EEC and EN 374 standards arising therefrom.

Full contact

Material: nitrile or butilic rubber

minimum thickness: 0.11 mm

permeation time: 480 min

**(ii) Other**

When handling the pure product wear full protective skin clothing.

**(c) Respiratory protection**

Use adequate protective respiratory equipment (EN 14387:2008)

**(d) Thermal hazards**

No hazard to report

Environmental exposure controls:

Related to contained substances:

n-butyl acetate:

Do not delete in sewers. Do not let this chemical contaminates the environment

**SECTION 9. Physical and chemical properties**

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

Physical and chemical properties	Value	Determination method
Appearance	clear liquid	
Odour	characteristic	
Odour threshold	not determined	
pH	not determined	
Melting point/freezing point	not determined	
Initial boiling point and boiling range	not determined	
Flash point	> 28 °C	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	inflammabile	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	0,850 - 0,950 g/cm3	
Solubility	soluble in water	
Water solubility	not determined	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	

Physical and chemical properties	Value	Determination method
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	

### 9.2. Other information

No data available.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No reactivity hazards

### 10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3. Possibility of hazardous reactions

There are no hazardous reactions

### 10.4. Conditions to avoid

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

### 10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, strong reducing agents.  
It can generate toxic gases to contact with oxidants mineral acids, organic peroxides, organic water peroxides.  
It can ignite in contact with oxidants mineral acids, organic nitrides, peroxides and water peroxides, strong oxidants agents.

### 10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

ATE(mix) oral = 142.000,0 mg/kg

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation Coconut diethanolamide: Irritating
- (c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.  
Coconut diethanolamide: Acute Irritazione\Corrosione eyes  
2-(2-butoxyethoxy)ethanol: Eyes-rabbit Result: Mild eye irritation-24h
- (d) respiratory or skin sensitization: Coconut diethanolamide: Non-sensitizing
- (e) germ cell mutagenicity: 2-(2-butoxyethoxy)ethanol: Mutagenicity-Bacterial,: negative +/-activation

Chromosomal aberration,: negative +/-activation

Mutagenicity-Mammalian,: negative +/-activation

(f) carcinogenicity: Coconut diethanolamide: IARC Group 2B carcinogen-possible carcinogenic to humans

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: Warning: Vapours inhalation may cause sleepiness and giddiness

(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

n-butyl acetate:

ROUTES of EXPOSURE: the substance can be absorbed into the body by inhalation of its fumes.

INHALATION RISK: A harmful contamination of the air will be reached quite slowly due to evaporation of the substance at 20 C.

Effects of short-term exposure: the substance is irritating to the eyes and the respiratory tract the substance may cause effects on the central nervous system much greater exposure to the OEL may result in attenuation of vigilance.

Effects of REPEATED EXPOSURE or long term: the liquid degreasing the skin features.

ACUTE HAZARDS/Symptoms INHALATION Cough. Sore throat. Vertigo. Headaches.

Dry scalp SKIN.

EYE Redness. Pain.

INGESTION Nausea.

LD50 oral, rat-10,700-14,130 mg/kg Lc50 Inhalation-rat-4:0-> 21.0 mg/l Dermal Ld50-rabbit-17,600 mg/kg

LD50 (rat) Oral (mg/kg body weight) = 10700

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 17600

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 21

Fatty alcohol ethoxylate:

LD50 (rat) Oral (mg/kg body weight) = 3100

Coconut diethanolamide:

Ingestion: oral rat LD50: > 2,000 mg/kg

Eye contact: irritating to the eye (rabbit). Can cause irreversible damage to the eye.

Skin contact: moderately irritating for a single application (4 h-rabbit)

Readily biodegradable in accordance with the criteria of Directive 67/548 and subsequent modifications.

LD50 (rat) Oral (mg/kg body weight) = 5000

2-(2-butoxyethoxy)ethanol:

INHALATION RISK: A harmful contamination of air sar reached slowly for evaporation of this substance at 20 C;

However, for spraying or scattering, much more quickly.

Effects of short-term exposure: the substance is irritating to eyes the effects of REPEATED EXPOSURE or long term: the liquid degreasing the skin features.

ACUTE HAZARDS/symptoms dry SKIN.

EYE Redness. Pain.

LD50 (rat) Oral (mg/kg body weight) = 1720

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2700

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 374

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to contained substances:

n-butyl acetate:

The substance is harmful to aquatic organisms.

Toxic to fish Lc50-lepomismacrochirus-100 mg/l-96 h Toxic to daphnia and other aquatic invertebrates: Ec50 Daphnia magna (water Flea grande)-72.8-205.0 mg/l-12 h  
C(E)L50 (mg/l) = 72,800003

Fatty alcohol ethoxylate:

Ittiotossicit:

LC50 (96 h) 1-10 mg/l, Brachydanio rerio

Aquatic invertebrates:

EC50 (48 h) 1-10 mg/l Daphnia magna

Aquatic plants:

EC50 (72 h) 1-10 mg/l Scenedesmus subspicatus

Microorganisms/effects on activated sludge:

CE10 > 1,000 mg/l, activated sludge (DEV-L2)

Chronic toxic to aquatic invertebrates:

NOEC (21 d), 0.33 mg/l Daphnia magna

C(E)L50 (mg/l) = 1

Coconut diethanolamide:

Acute/prolonged toxicity to fish: (83d) 2.52 mg/l (brachydanio rerio)

Acute toxicity to Aquatic Invertebrates: EC50 (12:0 am) 2.8 mg/l (daphnia Magna)

Primary: Biodegradabilit > 90% (OECD)

Easy Biodegradabilit: 60% > (manometric Tests, O2 consumption)

Theoretical O2 demand (thod) 2.52 mg O2/mg.

Chemical O2 demand (COD): 2.51 mg O2/mg.

C(E)L50 (mg/l) = 2,39

2-(2-butoxyethoxy)ethanol:

Toxic to fish Lc50-lepomismacrochirus-1,300 mg/l-96 h CL0-Leuciscus idus (dare or Golden)-> 1,000 mg/l-48 h Toxic to

daphnia and other aquatic invertebrates: Ec50 Daphnia magna (water Flea grande)-2850 mg/l-48 h for Toxic Algae

Desmodesmus subspicatus CI50-(green)-100 mg/l >-12:0 am Toxic to bacteria Lc50-Acinetobacter-1,170 mg/l-4:0 pm

C(E)L50 (mg/l) = 1300

Use according to good working practices to avoid pollution into the environment.

## **12.2. Persistence and degradability**

Related to contained substances:

Fatty alcohol ethoxylate:

Disposal considerations:

> = 90% the bismuth active substance (OECD guideline 303A)

60% > CO2 formation of theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, c. 4-C)

Readily biodegradable (according to OECD criteria).

2-(2-butoxyethoxy)ethanol:

The substance miscible in water and would leach into the groundwater, be lost in groundwater and be biologically degraded.

85% (28 d, Ready Biodegradability: Modified MITI Test (s)) readily biodegradable

## **12.3. Bioaccumulative potential**

Related to contained substances:

2-(2-butoxyethoxy)ethanol:

The substance is not expected to bioaccumulate.

#### **12.4. Mobility in soil**

Related to contained substances:

2-(2-butoxyethoxy)ethanol:

The high idrosolubilit and low octanol/water partition coefficient indicates that adsorption to suspended solids and sediments are not significant

#### **12.5. Results of PBT and vPvB assessment**

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

#### **12.6. Other adverse effects**

No adverse effects

### **SECTION 13. Disposal considerations**

#### **13.1. Waste treatment methods**

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Operate according to local or national regulations

### **SECTION 14. Transport information**

#### **14.1. UN number**

ADR/RID/IMDG/ICAO-IATA: 1123

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



#### **14.2. UN proper shipping name**

ADR/RID/IMDG: ACETATI DI BUTILE

ADR/RID/IMDG: BUTYL ACETATES

ICAO-IATA: BUTYL ACETATES

#### **14.3. Transport hazard class(es)**

ADR/RID/IMDG/ICAO-IATA: Class : 3

ADR/RID/IMDG/ICAO-IATA: Label : Limited quantities

ADR: Tunnel restriction code : D/E

ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L

IMDG - EmS : F-E, S-D

#### **14.4. Packing group**

ADR/RID/IMDG/ICAO-IATA: III

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#### **14.5. Environmental hazards**

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent : Not

#### **14.6. Special precautions for user**

No data available.

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

It is not intended to carry bulk

### **SECTION 15. Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Related to contained substances:

2-(2-butoxyethoxy)ethanol:

Restrictions relating to the product or to substances contained in annex XVII to Regulation (EC) 1907/2006.

3 product section.

Substances.

Point. 55 BUTYL DIGLYCOL

Seveso category:

P5a - FLAMMABLE LIQUIDS

REGULATION (EU) No 1357/2014 - waste:

HP3 - Flammable

HP4 - Irritant — skin irritation and eye damage

HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

#### **15.2. Chemical safety assessment**

The supplier has made an assessment of chemical safety

### **SECTION 16. Other information**

#### **16.1. Other information**

Points modified compared to previous release: 1.2. Relevant identified uses of the substance or mixture and uses advised against, 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3. Other hazards, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 7.1. Precautions for safe handling, 8.1. Control parameters, 8.2. Exposure controls, 11.1. Information on toxicological effects, 14.2. UN proper shipping name, 14.3. Transport hazard class(es), 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H226 = Flammable liquid and vapour.

H336 = May cause drowsiness or dizziness.

H302 = Harmful if swallowed.

H318 = Causes serious eye damage.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

Classification based on data of all mixture components

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

\*\* The information contained herein is based on our knowledge at the date above.

Related solely to the product and do not constitute a guarantee of a particular quality.

It is the duty of the user to ensure that these are appropriate and complete information regarding the specific use intended.

This data sheet cancels and replaces any previous edition.

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