

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code : Tintolav Bel Pell

Trades code : A70-060

Product line: Tintolav

UFI: QRM0-C0MX-600E-TXMR

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

Spray for the treatment of hides and furs

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 - Sito internet: www.tintolav.com

Email tecnico competente: a.conedera@tintolav.com

National contact: Malta: Emergency Ambulance 112

Accident &amp; 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, GHS07, GHS09

Hazard Class and Category Code(s):

Flam. Aerosol 1, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Aquatic Chronic 2

Hazard statement Code(s):

H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

Aerosol that ignites easily even at low temperatures, fire risk

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

Warning: Vapours inhalation may cause sleepiness and giddiness

The product is dangerous to the environment as it is toxic to aquatic life with long lasting effects  
The repeated inhalation of vapors can cause drowsiness and giddiness.  
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.  
The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a dangerous mechanism for the fire.

## 2.2. Label elements

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

Pictogram, Signal Word Code(s):

GHS02, GHS07, GHS09 - Danger



Hazard statement Code(s):

H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.  
P261 - Avoid breathing aerosols.  
P264 - Wash your hand thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 - IN CASE OF CONTACT WITH SKIN: wash thoroughly with soap and water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

Storage

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal

P501 - Dispose of contents / container in accordance with local and national regulations.

Contains:

n-heptane, Propane, Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues

Content of VOC ready to use condition: 83,00 %

UFI: QRM0-C0MX-600E-TXMR

## 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

**SECTION 3. Composition/information on ingredients****3.1 Substances**

Irrelevant

**3.2 Mixtures**

Refer to paragraph 16 for full text of hazard statements

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Substance	Concentration[ w/w]	Classification	Index	CAS	EINECS	REACH
n-heptane Note: C	$\geq 50 < 75\%$	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	601-008-00-2	142-82-5	205-563-8	NR
Propane	$\geq 15 < 25\%$	Flam. Gas 1A, H220; Press. Gas, H280	601-003-00-5	74-98-6	200-827-9	NR
Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues	$\geq 1 < 5\%$	Asp. Tox. 1, H304	ND	84961-70-6	284-660-7	01-2119485 843-26-000 8

**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):

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

In case of contact with skin, wash immediately with water and soap.

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**

If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Call a POISON CENTER/doctor if you feel unwell.

### **SECTION 5. Firefighting measures**

#### **5.1. Extinguishing media**

Advised extinguishing agents:  
CO2 or dry powder extinguisher

Extinguishing means to avoid:  
Direct jets of water

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

The aerosol containers overheated burst and can be ejected with violence from a distance and can take place a dangerous mechanism for the fire.

Manufactured under pressure in sealed metal container (test pressure 15 bar max). Cool containers with water spray trying to remove them from the fire. The aerosol containers can be overheated and burst violently ejected from a distance ( protect the head using a safety helmet).

#### **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**

#### **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  
Leave the surrounding area recalling that any overheating could project the cylinder at a considerable distance.  
Wear gloves and protective clothing

##### **6.1.2 For emergency responders:**

Given the airtightness of the aerosol can, it is quite unlikely that there will be considerable spillage.  
However, in the event that any container is damaged such as to cause a leak, isolate the cylinder in question by taking it to the open air or covering it with inert and non-combustible material (e.g. sand, earth, vermiculite) and taking care to avoid any ignition point which could pose a serious fire risk.  
Wear protective gloves and clothing. Suitable: Latex and nitrile  
Eliminate all open flames and possible sources of ignition. Not smoking.  
Provide adequate ventilation.  
Evacuate the danger area and, if necessary, consult an expert.

#### **6.2. Environmental precautions**

Contain spill  
Inform the competent 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 the removal.

#### **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

## **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.

Use extreme caution when handling the product. Avoid shock or friction.

In residential areas do not use on large surfaces.

Do not smoke at work

At work do not eat or drink.

Vapors are heavier than air and may spread close to the ground and form explosive mixtures with air. Prevent formation of flammable or explosive concentrations in the air.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 ° C.

Do not pierce or burn, even after the use. Do not spray on flame or incandescent objects. Use in adequately ventilated areas.

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.

Pressurized container. Store in a ventilated place, in original packaging away from heat and 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.

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 the substances contained:

n-heptane:

TLV: 400ppm as TWA 500ppm as STEL (ACGIH 2004).

MAK: 500 ppm 2100 mg / m<sup>3</sup> Peak limitation category: I (1); Risk group for pregnancy: D; (DFG 2006).

Propane:

TLV: (Aliphatic hydrocarbon gases) 1000 ppm as TWA; (ACGIH 2005).

ACGIH TLV (United States, 3/2012).

TWA: 1000 ppm 8 hour (s).

NIOSH REL (United States, 1/2013).

TWA: 1800 mg / m<sup>3</sup> 10 hour (s).

TWA: 1000 ppm 10 hour (s).

OSHA PEL (United States, 6/2010).

TWA: 1800 mg / m<sup>3</sup> 8 hour (s).

TWA: 1000 ppm 8 hour (s).

OSHA PEL 1989 (United States, 3/1989).

TWA: 1800 mg / m<sup>3</sup> 8 hour (s).

TWA: 1000 ppm 8 hour (s)

- Substance: Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues

PNEC

Fresh water = 0.000075 (mg / l)

Sediments Fresh water = 1761 (mg / kg / Sediments)

Sea water = 1761 (mg / l)

## 8.2. Exposure controls

Appropriate technical controls:

Industrial uses:

No specific control expected

Professional uses:

No specific control expected

Individual protection measures:

a) Eye / face protection

Wear mask

b) Skin protection

i) Hand protection

Handle with gloves. Gloves must be checked before use. Use a technique suitable for removing gloves (without touching the outer surface of the glove) to avoid the skin contact with this product. Dispose of contaminated gloves after use in accordance with current legislation and good laboratory practices. Wash and dry your hands.

The selected protective gloves have to satisfy the requirements of EU directive 89/686 / EEC and the resulting EN 374 standards.

Full contact

Material: Nitrile rubber

minimum thickness: 0.11 mm

breakthrough time: 480 min

The choice of an appropriate glove depends not only on the material but also on other quality characteristics which vary from one manufacturer to another.

For the choice of the type of gloves to use, consult the supplier / manufacturer of the gloves.

Observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.



ii) Other

When handling the pure product, wear full skin protection clothing.

Preferably use antistatic cotton clothing

c) Respiratory protection

Operate in sufficiently ventilated environments avoiding to inhale the product.

d) Thermal hazards

No danger to report

Environmental exposure controls:

Related to the substances contained:

n-heptane:

DO NOT discard into sewer.

## SECTION 9. Physical and chemical properties

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

Physical and chemical properties	Value	Determination method
Appearance	aerosol	
Colour	colorless liquid under pressure	
Odour	characteristic	
Odour threshold	not applicable	
pH	characteristic	
Melting point/freezing point	< -100 °C (liquid gas)	
Initial boiling point and boiling range	> -42 °C (liquid gas)	
Flash point	< -80 °C (liquid gas)	ASTM D92
Evaporation rate	not applicable	
Flammability (solid, gas)	flammable	
Upper/lower flammability or explosive limits	9,5% vol / 1,8% vol	
Vapour pressure	3,2 bar	
Vapour density	> 2	
Relative density	undefined	
Solubility	irrelevant	
Water solubility	irrelevant	
Partition coefficient: n-octanol/water	irrelevant	
Auto-ignition temperature	> 400 °C	
Decomposition temperature	irrelevant	
Viscosity	irrelevant	
Explosive properties	may burst if heated.	
Oxidising properties	non-oxidizing	
Container volume	800 ml	
Product volume	600 ml	
Pressure to 20°C	3,2 bar	
Deformation pressure	16,5 bar	
Burst pressure of the container	18 bar	
Flash point of liquid phase	< 21 °C	
Propellant inflammability	< 0 °C	

Physical and chemical properties	Value	Determination method
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**9.2. Other information**

Content of VOC ready to use condition: 83,00 %

**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 heating the product, it could explode.

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

heat, open flames, sparks or hot surfaces.

The aerosol product is stable for a period exceeding 36 months and in normal storage conditions can not take place dangerous reactions as the container is almost hermetically sealed.

To avoid that the metal container can deteriorate, keep away from acidic or basic products. Attention to the heat as temperatures exceeding 50 ° C has increased pressure inside the container that gets to deformation of the cylinder until the outbreak.

**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 hazard classes as defined in Regulation (EC) No 1272/2008**

ATE (mix) oral = ∞

ATE (mix) dermal = ∞

ATE (mix) inhal = ∞

(a) acute toxicity: based on available data the classification criteria are not met.

(b) skin corrosion / skin irritation: The product, if brought into contact with the skin, causes significant inflammation with erythema, scabs or edema.



(c) serious eye damage / eye irritation: If brought into contact with the eyes, the product causes significant irritation which can last for more than 24 hours.

(d) respiratory or skin sensitization: based on available data the classification criteria are not met.

(e) germ cell mutagenicity: based on available data the classification criteria are not met.

(f) carcinogenicity: based on available data the classification criteria are not met.

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

(h) specific target organ toxicity (STOT) single exposure: Warning: inhalation of vapors may cause drowsiness and dizziness

(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 the substances contained:

n-heptane:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapor and by ingestion.

INHALATION RISK: A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20 ° C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes and the skin. The vapor is irritating to the eyes, the skin and the respiratory tract. If the liquid is swallowed, aspiration into the lungs can lead to chemical pneumonia. The substance may cause effects on the central nervous system

EFFECTS OF REPEATED OR LONG-TERM EXPOSURE: The liquid degrades the skin. The substance may have effects on the liver, resulting in impaired functions

#### ACUTE RISKS / SYMPTOMS

INHALATION Numbness. Headache.

SKIN Dry skin.

EYES Redness. Ache.

INGESTION Abdominal cramps. Burning sensation. Nausea. He retched.

**N O T E** Odor is an insufficient warning of exceeding the exposure limit.

Propane:

LC50 Inhalation (rat) of vapor / dust / aerosol / smoke (mg / l / 4h) or gas (ppmV / 4h) = 410000

Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues:

LD50 Oral (rat) (mg / kg body weight) > 2000

LD50 Cutaneous (rat or rabbit) (mg / kg body weight) > 2000

#### 11.2. Information on other hazards

No data available.

## SECTION 12. Ecological information

### 12.1. Toxicity

Related to the substances contained:

n-heptane:

The substance is toxic to aquatic organisms. There may be bioaccumulation of this chemical in fish. It is strongly recommended that this substance is not released into the environment.

Propane:

C (E) L50 (mg / l) = 7.71

Benzene, Mono-C10-13, Alkyl Derivatives, Distillation Residues:

C (E) L50 (mg / l) = 100

The product is dangerous for the environment as it is toxic to aquatic organisms following acute exposure.

Use according to good working practices, avoiding to disperse the product in the environment.

**12.2. Persistence and degradability**

Related to the substances contained:

n-heptane:

Biodegrades to 62% after 192 hours at 13 ° C.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

No PBT/vPvB ingredient is present

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No adverse effects

**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

The waste must be disposed of in compliance with the regulations in force delivering empty containers for final disposal and equipped to safely handle pressurized containers containing flammable liquids and gas waste. The empty container heated to temperatures exceeding 70 ° C can burst.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

**SECTION 14. Transport information****14.1. UN number or ID number**

ADR/RID/IMDG/ICAO-IATA: 1950

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 1 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 1 L per package 20 Kg

**14.2. UN proper shipping name**

ADR/RID/IMDG: AEROSOL infiammabili

ADR/RID/IMDG: AEROSOL flammable

ICAO-IATA: AEROSOL flammable

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

ADR/RID/IMDG/ICAO-IATA: Class : 2

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

ADR: Tunnel restriction code : D  
ADR/RID/IMDG/ICAO-IATA: Limited quantities : 1 L  
IMDG - EmS : F-D, S-U

**14.4. Packing group**

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

**14.5. Environmental hazards**

ADR/RID/ICAO-IATA: Product is environmentally hazardous  
IMDG: Marine polluting agent : Yes

**14.6. Special precautions for user**

No data available.

**14.7. Maritime transport in bulk according to IMO instruments**

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**

Seveso category:

P3a - FLAMMABLE AEROSOLS  
E1 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 - waste:

HP3 - Flammable  
HP4 - Irritant — skin irritation and eye damage  
HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity  
HP14 - Ecotoxic

**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: 1.1. Product identifier, 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, 3.2 Mixtures, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 6.1. Personal precautions, protective equipment and emergency procedures, 6.3. Methods and material for containment and cleaning up, 7.1. Precautions for safe handling, 7.2. Conditions for safe storage, including any incompatibilities, 7.3. Specific end use(s), 8.1. Control parameters, 8.2. Exposure controls, 9.2. Other information, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 12.1. Toxicity, 12.2. Persistence and degradability, 12.5. Results of PBT and vPvB assessment, 12.6. Endocrine disrupting properties, 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Description of the hazard statements exposed to point 3

H225 = Highly flammable liquid and vapour.  
H304 = May be fatal if swallowed and enters airways.  
H315 = Causes skin irritation.

H336 = May cause drowsiness or dizziness.  
H400 = Very toxic to aquatic life.  
H410 = Very toxic to aquatic life with long lasting effects.  
H220 = Extremely flammable gas.  
H280 = Contains gas under pressure; may explode if heated.

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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