

## SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Identification of the substance or preparation:

Name: IMPERMEABILISANT MÉDAILLE D'OR 300 ML AVEL.

Product code: 1746007.

#### Company/undertaking identification:

Registered company name: AVEL.

Address: 16320 MAGNAC LAVALETTE, France.

Telephone: 05.45.64.74.74. Fax: 05.45.64.77.36.

avel@avel.com

www.avel.com

#### Emergency telephone: 03 83 32 36 36.

Association/Organisation: Centre Anti Poison de NANCY [www.centres-antipoison.net/index](http://www.centres-antipoison.net/index).

### 2 - HAZARDS IDENTIFICATION

This product is classed: Extremely flammable.

Possibility of irritation to the skin.

Vapors may cause drowsiness and dizziness.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

#### Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

#### Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
601-006-00-1	109-66-0	203-692-4	PENTANE	Xn N F+	12 51/53 65 66 67	2.5 <= x % < 10
601-037-00-0	110-54-3	203-777-6	N-HEXANE	Xn N F	11 38 48/20 62.F3 65 67 51/53	0 <= x % < 2.5
A04547/01	64742-49-0	265-151-9	NAPHTA LEGER (PÉTROLE), HYDROTRAITÉ	Xn N F	11 65 38 67 51/53	10 <= x % < 25
A04558/01	64742-49-0	265-151-9	NAPHTA LÉGER (PÉTROLE), HYDROTRAITÉ ; NAPHTA HYDROTRAITÉ À POINT D'EBULLITION BAS	Xn N	11 38 65 67 51/53	25 <= x % < 50

#### Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
601-030-00-2	287-92-3	206-016-6	CYCLOPENTANE	F	11 52/53	2.5 <= x % < 10
607-022-00-5	141-78-6	205-500-4	ETHYL ACETATE	Xi F	11 36 66 67	2.5 <= x % < 10
607-025-00-1	123-86-4	204-658-1	N-BUTYL ACETATE		10 66 67	2.5 <= x % < 10

#### Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
601-003-00-5	74-98-6	200-827-9	PROPANE	F+	12	0 <= x % < 2.5
601-004-00-0	106-97-8	203-448-7	BUTANE	F+	12	10 <= x % < 25
601-004-00-0	75-28-5	200-857-2	AND ISOBUTANE	F+	12	2.5 <= x % < 10

### 4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

#### In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

#### In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

**In the event of splashes or contact with skin:**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital

**In the event of swallowing:**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep still. DO NOT induce vomiting.

Call a doctor immediately and show him the label.

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**5 - FIRE-FIGHTING MEASURES**

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**Suitable extinguishing media:**

Carbon dioxide, chemical powders, foams, and other extinguishing gases.

In the event of fire, use specifically suitable extinguishing agents. Never use water.

**Extinguishing media which must not be used for safety reasons:**

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Do not use compressed air during filling, emptying or handling.

**Special protective equipment for fire-fighters:**

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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**6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

**Environmental precautions:**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

**Methods for cleaning up:**

Clean preferably with a detergent, do not use solvents.

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**7 - HANDLING AND STORAGE**

The regulations relating to storage premises apply to workshops where the product is handled.

**Handling:**

Handle in well-ventilated areas.

The vapors are denser than air. They can spread along the ground and form explosive mixtures with air

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

**Fire prevention:**

Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

Avoid inhaling vapors.

Avoid contact of product with the skin and eyes

**Prohibited equipment and procedures:**

Smoking, eating and drinking are prohibited in premises where the preparation is used  
 Never open the packages under pressure  
 Do not pierce or burn, even after use.

**Storage:**

Keep the container tightly closed in a dry, well-ventilated place  
 Keep away from all sources of ignition - do not smoke.  
 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.  
 Keep out of reach of children  
 The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

**8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**



Use personal protection equipment as per Directive 89/686/EEC.

**Technical measures:**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.  
 If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

**Exposure limit values per INRS ED 984:**

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
123-86-4	150	710	200	940	-	84
141-78-6	400	1400	-	-	-	84
110-54-3	20	72	-	-	R3	59, 84
287-92-3	600	1720	-	-	-	84
109-66-0	1000	3000	-	-	-	84
106-97-8	800	1900	-	-	-	-
Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
123-86-4	I	100	480	D		
141-78-6	I	400	1500	C		
110-54-3	II.1	50	180	C.*		
109-66-0	IV	1000	3000	-		
75-28-5	IV	1000	2400	-		
106-97-8	IV	1000	2400	-		
74-98-6	IV	1000	1800	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
123-86-4	150	713	200	950	-	S
141-78-6	400	1440	-	-	-	-
110-54-3	50	176	-	-	*	-
287-92-3	600	1720	-	-	-	-
109-66-0	600	1770	-	-	-	-
106-97-8	800	1900	-	-	-	-
74-98-6	2500	4509	-	-	-	-

**Exposure limit values per 2006/15/CE, 2000/39/EC and 98/24/EC:**

EC	VME-mg/m3:	VME-ppm:	VLE-mg/m3:	VLE-ppm:	Notes:
110-54-3	72	20	-	-	-
109-66-0	3000	1000	-	-	-

**Exposure limit values (2003-2006):**

UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
123-86-4	150 ppm	200 ppm	-	-	-
141-78-6	200 ppm	400 ppm	-	-	-
110-54-3	20 ppm	-	-	-	-
106-97-8	600 ppm	750 ppm	-	-	-
UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:

123-86-4	150 ppm	200 ppm	-	-	-
141-78-6	200 ppm	400 ppm	-	-	-
110-54-3	20 ppm	-	-	-	-
106-97-8	600 ppm	750 ppm	-	-	-
Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:	
141-78-6	400 ml/m3	1500 mg/m3	2(I)	DFG, Y	
110-54-3	50 ml/m3	180 mg/m3	8(II)	DFG, Y	
109-66-0	1000 ml/m3	3000 mg/m3	2(II)	DFG	
75-28-5	1000 ml/m3	2400 mg/m3	4(II)	DFG	
106-97-8	1000 ml/m3	2400 mg/m3	4(II)	DFG	
74-98-6	1000 ml/m3	1800 mg/m3	4(II)	DFG	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
123-86-4	150 ppm	200 ppm	-	-	-
141-78-6	400 ppm	-	-	-	-
110-54-3	50 ppm	-	-	-	-
287-92-3	600 ppm	-	-	-	-
109-66-0	600 ppm	-	-	-	-
75-28-5	1000 ppm	-	-	-	-
106-97-8	1000 ppm	-	-	-	-
74-98-6	1000 ppm	-	-	-	-

#### Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

#### Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

#### Eye and face protection:

Avoid contact with the skin and eyes. Wear safety goggles

Provide eye washes in workshops where the product is constantly handled

#### Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

#### General information:

Physical state: fluid liquid

#### Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: not specified.

Flash point interval: Flash point < 0°C and distillation temperature <= 35°C

Vapour pressure: not relevant.

Density: < 1

Water solubility: Insoluble.

#### Other information:

melting point/melting range: not specified.

Self-ignition temperature: not specified.

Decomposition point/decomposition range : not specified.

## 10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

It is generally agreed that substances contained are likely to cause significant irritation which lasts for at least twenty four hours after application to the healthy, unbroken skin of an animal for a period of up to 4 hours.

## 12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

### Ecotoxicity:

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

### Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

### Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

## 14 - TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2007 - IMDG 2006 - ICAO/IATA 2007).

UN1950=AEROSOLS

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	2	5F	-	2.1	-	LQ2	190 327 625



IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.		
	SP63	SP63	-	SP277	F-D,S-U	63 190 277 327 959		
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note
	2.1	-	-	203	75 Kg	203	150 Kg	A145 A153
	2.1	-	-	Y203	30 Kg G	-	-	-

## 15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

### Preparation classification:



Irritant



Dangerous for the environment



Extremely flammable

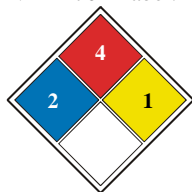
### Particular hazards associated with the preparation and safety recommendations:

- |         |   |
|---------|---|
| R 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R 38    | Irritating to skin.   |
| R 12    | Extremely flammable.  |
| R 67    | Vapours may cause drowsiness and dizziness.   |
| S 16    | Keep away from sources of ignition - No smoking.  |

S 2	Keep out of the reach of children.
S 23	Do not breathe spray
S 29	Do not empty into drains.
S 46	If swallowed, seek medical advice immediately and show this container or label.
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
S 24	Avoid contact with skin.
S 37	Wear suitable gloves. Do not use the product in another way of what it is intended to. Use and store only in a well-ventilated area. Do not spray for a long time.

**Particular provisions:**

NFPA 704 Label: Health=2 Flammability=4 Instability=1 Special Hazards=none



**16 - OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

**Full text of risk phrases appearing in section 3:**

R 10	Flammable.
R 11	Highly flammable.
R 12	Extremely flammable.
R 36	Irritating to eyes.
R 38	Irritating to skin.
R 48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 62.F3	Possible risk of impaired fertility.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.