

**MATERIAL SAFETY DATA SHEET****PRODUCT : DENTO – VIRACTIS 77**In accordance with 2001/58/EC – 1907/2006/EC – ISO 11014-1  
version : 09/04/2008**1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / FIRM**

Identification of the substance or the preparation :

Name : **DENTO – VIRACTIS 77**

Use of the substance / preparation :

Disinfectant Cleaner

Identification of the company / firm :

Corporate name : **HYGITECH**Address : **25 rue Bleue****75311 – PARIS CEDEX 09 – FRANCE****+33 (0)1 48 01 32 89**E-mail : **info@hygitech.fr**Emergency telephone number : **INRS / ORFILA****htt://www.centre-antipoison.net****2 – HAZARDS IDENTIFICATION**

This product is classified :

Easily flammable liquid.

The preparation is irritant for the eyes.

May cause an allergic reaction.

Other information :

**3 – COMPOSITION / INFORMATION ON THE COMPONENTS**

Wording of the R phrases detailed in paragraph 3 :

See paragraph 16.

Representative hazardous substances (present in the preparation at a sufficient concentration to infer on it the toxicological characteristics that it would have in a 100% pure state) :

This preparation does not contain any hazardous substance of this category.

Other hazardous substances : No known substance of this category is present.

Substances present at a concentration below the minimum hazard limit :

No known substance of this category is present.

Other substances with Occupational Exposure Limit Values :

CAS 64-17-5 EC 200-578-6 ETHYL ALCOHOL

Concentration  $\geq 50.00\%$  and  $< 100.00\%$ . Symbol : F R : 11

May cause an allergic reaction : CAS 5989-27-5 EC 227-813-5 D-LIMONENE

Concentration  $\geq 0.00\%$  et  $< 2.50\%$ . Symbol : Xi,N R : 10, 38 50/53, 43

Other components :

**4 – FIRST AID MEASURES**

As a general rule, if there is any doubt or if the symptoms persist, always seek medical advice.

NEVER make an unconscious person ingest something.

Inhalation :

In the case of massive inhalation, take the victim to fresh air and keep warm and comfortable.

Contact with the eyes :

Rinse with plenty of clean water for 15 minutes, keeping the eyelids open.

Ensure the victim sees an ophthalmologist, particularly if there is any redness or pain or if sight is adversely affected.

Contact with the skin :

Swallowing :

In the case of accidental swallowing, call a doctor to judge if it is necessary to watch and treat later in hospital. Show the label.

Specific and immediate treatment :

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## 5 – FIRE FIGHTING MEASURES

Suitable mean of extinction : Chemical foams, carbon dioxide and other extinction gases are suitable for little fires.

Prohibited means of extinction for safety reasons :

Due to the presence of organic matter, a fire could produce thick black smoke. Exposure to decomposition products could present health risks.

Do not inhale the smoke.

Prevent fire fighting effluents entering drains or water courses.

Specific protection equipment for fire fighting personnel :

Fire fighting personnel must be equipped with self-contained isolating breathing apparatus.

Specific risks resulting from exposure to the substance / preparation, the combustion products or the gases produced :

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## 6 – ACCIDENTAL RELEASE MEASURES

Individual precautions : Eliminate any possible sources of ignition and ventilate the premises.

Avoid inhaling vapours.

Refer to the protection measures detailed in paragraphs 7 and 8.

Environmental protection precautions :

Contain and collect leaks with non-combustible absorbent materials, for example : sand, earth, vermiculite, diatomaceous earth and dispose of the waste in drums.

Avoid any penetration into drains or water courses.

Drums containing recovered waste intended for disposal must be located in areas that comply with the regulations in force (see paragraph 13).

If the product contaminates water tables, rivers or drains, alert the relevant authorities according to the regulatory procedures in force.

Cleaning / recovery procedure : Preferably clean with a detergent and avoid the use of solvents.

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## 7 – HANDLING AND STORAGE

The instructions relating to storage areas apply to the workshops where the product is handled.

Handling : Handle in well ventilated areas.

Prevent the creation of flammable or explosive concentrations in the air and avoid vapours concentrations higher than the Occupational Exposure Limit Values.

Fire prevention : Only use the product in areas without any naked flames or other sources of ignition and which are equipped with suitably protected electrical equipment.

Keep the packaging securely sealed and keep it away from any sources of heat , sparks or naked flames.

Do not use tools that could generate sparks. Do not smoke.

Prohibit access by non-authorized persons.

Recommended equipment and procedures:

For individual protection, see paragraph 8.

Comply with the precautions indicated on the label and with occupational safety regulations.

Opened packaging should be carefully resealed and kept in a vertical position.

Avoid inhaling vapours.

Prohibited equipment and procedures:

Smoking, eating or drinking in areas where the preparation is used are prohibited.

Never open the packaging by applying pressure.

Storage: Store the recipient properly sealed and in a dry place.

Keep away from any source of ignition – do not smoke.

Keep away from any source of ignition, heat or direct sunlight

Specific use(s) :

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Use individual protection equipment according to the Directive 89/686/EEC.

Technical measures:

Exposure limit values according to the INRS ED 984 :

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
64-17-5	1000	1900	5000	9500	-	84
Germany	Category:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
64-17-5	II,1	500	960	5, C		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
64-17-5	1000	1880	-	-	A4	S

Exposure limit values according to the 2000/39/EC and 98/24/EC:

Respiratory protection:

Hand protection: Gloves wearing recommended.

For more details see paragraph 11 of the MSDS – Toxicological Information.

Eye and face protection: Use eye protections designed against liquid splashes.

Skin protection: For more details see paragraph 11 of the MSDS – Toxicological Information.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

General information: Physical state: Fluid liquid.

Colour: Colourless.

Odour: Citrus fruit fragrance.

Important health, safety and environment information:

pH of the substance / preparation: Neutral.

When it is possible to measure the pH, its value is: 7.50 +/- 0.5.

Boiling point : Not applicable.

Flash point : = 21°C.

Vapour pressure: Not applicable.

Density: < 1

Solubility in water: Soluble.

Other information: Auto-ignition temperature: Not applicable.

Decomposition point : Not applicable.

Melting point : Not applicable.

## 10 - STABILITY AND REACTIVITY

Any appliance liable to produce a flame or to raise at a high temperature a metallic surface (burners, electrical arches, ovens...) will be banished from the premises.

Conditions to avoid:

Materials to avoid:

Hazardous decomposition products:

## 11 – TOXICOLOGICAL INFORMATION

Inhalation:

Swallowing: DL50 > 2000 mg/kg - Category 5 or no classified hazard according to the Globally Harmonized System (GHS).

Contact with the skin: The Primary Irritation Index (PII) is equal to 0. The irritant risk induced after the application on the skin can be considered as insignificant.

Contact with the eyes: Reaction of eye and iris conjunctivitis. Complete reversibility in 8 days. Preparation classified irritant for the eyes.

Other information:

## 12 – ECOLOGICAL INFORMATION

No ecological data on the preparation itself is available.

Any discharge of the product in drains or water courses should be avoided.

Ecotoxicity:

Mobility:

Persistence and degradability:

Bioaccumulation potential:

Diverse harmful effects:

## 13 – DISPOSAL CONSIDERATIONS

Do not discharge in drains or water courses.

**Waste:** Recycle or dispose of waste in accordance with the legislation in force, preferably by an approved waste collection agency or firm.

Do not contaminate the soil or water with waste and do not dispose of waste in the environment.

**Soiled packaging:** Completely empty the recipient. Do not remove the label(s) from the recipient.

Hand over the waste to an approved waste disposal agency.

**Local provisions:** The regulations regarding waste in France are codified in the *CODE DE L'ENVIRONNEMENT* (French Environment Code), according to Ordinance n° 2000-914 of the 18 September 2000 relative to the Legislative part of the Environment Code.

This includes the different texts of Article L. 541-1 to Article L. 541-50 in Book V (Prevention of pollution, risks and nuisances), Heading IV (Waste), Chapter I (Elimination of waste and recovery of materials).

Waste codes (Decision 2000/532/EC, Directive 75/442/EEC, Directive 91/689/EEC relative to hazardous waste):

## 14 – TRANSPORTATION INFORMATION

The product should be transported in accordance with the provisions of the ADR for road transport, the RID for rail transport, the IMDG for maritime transport and the ICAO/IATA for air transport (ADR 2005 – IMDG 2004 – ICAO/IATA 2005).

UN1993=FLAMMABLE LIQUID, N.S.A.

ADR/RID	Class	Code	Group	Label	Ident.	QL	Avail.		
	3	F1	II	3	33	LO4	274-640 D		
IMDG	Class	2°Lab.	Group	QL	IdentFs	Avail.			
	3	-	II	1L	F-E, S-E	274 944			
IATA	Class	2°Lab.	Group	Passenger	Passenger	Cargo	Cargo	note	
	3	-	II	305	5 L	307	60 L	A3	
	3	-	II	Y305	1 L	-	-	-	



## 15 – REGULATORY INFORMATION

This preparation has been classified in accordance with the 1999/45/EC "All Preparations" Directive and its amendments.

Directive 2004/73/EC representing the 29<sup>th</sup> amendment to the Directive 67/548/EC (Hazardous Substances) has also been taken into account.

**Classification of the preparation:** Easily flammable.

Irritant.

**Contains:** D-LIMONENE. May cause an allergic reaction.

**Specific risks attributed to the preparation and cautionary advice:**

R 11 Easily flammable.

R 36 Irritant for the eyes.

R 52/53 Toxic for aquatic organisms. May cause long term adverse effects in the aquatic environment.

S 9 Store the container in a well ventilated area.

S 16 Store away from any flame or sparks source – Do not smoke.

S 25 Avoid the contact with the eyes.

S 26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

S 60 Dispose of as hazardous waste the product and its container.



Specific provisions: Classified installations nomenclature. (France) (Quantity should be taken to mean the total quantity present in the installation)

Flammable liquid (installation for simple cold mixing or use of) N° 1433:

- in (Quantity > 50 t) => Regime A and Public Notice Display radius of 2 km.
- in (Quantity > 5 t) but (Quantity < 50 t) Regime D.

Flammable liquid (other installations for mixing or use of) N° 1433:

- in (Quantity > 10 t) => Regime A and Public Notice Display radius of 2 km.
- in (Quantity > 1 t) but (Quantity < 10 t) Regime D.

Flammable and highly flammable liquid (storage of in manufactured reservoirs) n° 1432:

- in (Quantity > 10,000 t) => Regime A, S and Public Notice Display radius of 4 km.

Flammable liquid (storage of in manufactured reservoirs) n° 1432:

- in (Quantity > 100 m3) => Regime A and Public Notice Display radius of 2 km.
- in (Quantity > 10 m3) but (Quantity < 100m3) Regime D.

Flammable liquid (industrial manufacture of, including treatment of oil and its derivatives, desulphurization) => Regime A and Public Notice Display radius of 3 km.

Table of occupational illnesses provided for in Article R, 461-3 of the *Code du Travail* (French Labour Code):  
Table N° 84 – Conditions caused by liquid organic solvents for professional use.

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## 16 – OTHER INFORMATION

Since we do not know the user's specific working conditions, the information provided within this material safety data sheet is based on the best information available to us at the time of issue as well as on national and European Union regulations.

The product must not be used for applications other than those specified in paragraph 1 without having obtained written handling instructions beforehand.

The user is always responsible for taking all necessary measures to comply with the requirements of local laws and regulations.

The information provided herein should be considered as a description of the safety requirements relative to our product and not as a guarantee of its properties.

Wording of R phrases detailed in paragraph 3:

R 10	Flammable
R 11	Highly flammable.
R 38	Irritant for the skin.
R 43	May cause sensitisation by skin contact.
R 50/53	Very toxic for aquatic organisms, may cause long term adverse effects in the aquatic environment.

Modifications compared to the previous version are highlighted in the margin.