

MATERIAL SAFETY DATA SHEET**PRODUCT : DENTO – VIRACTIS 57**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 57**

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 :

Flammable and corrosive.

May have irritant effects on the eyes and skin.

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 : CAS 1310-58-3 EC 215-181-3 POTASSIUM HYDROXIDE

Concentration $\geq 0.00\%$ and $< 2.50\%$. Symbol : C R : 35-22

Substances present at a concentration below the minimum hazard limit :

CAS 68439-45-2 ETHOXYLATED ALCOHOL C9 C11 8 OE

Concentration $\geq 0.00\%$ and $< 2.50\%$. Symbol : Xn R : 36/38 - 22

Other substances with Occupational Exposure Limit Values :

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

Concentration $\geq 10.00\%$ and $< 25.00\%$. Symbol : F R : 11

May cause an allergic reaction : CAS 78-70-6 EC 201-134-4 LINALOOL

Concentration $\geq 0.00\%$ and $< 2.50\%$. Symbol : Xi R : 43

CAS 5989-27-5 EC 227-813-5 (R)-P-MENTHA-1, 8-DIENE

Concentration $\geq 0.00\%$ and $< 2.50\%$ Symbol : Xi 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 : Remove soiled clothing and thoroughly wash the skin with soap and water or use a recognised cleaning agent.

DO NOT use solvents or diluents.

Swallowing : In the case of swallowing, if the amount swallowed is not very much (no more than a mouthful), rinse the mouth with water and seek medical advice.
Keep at rest. DO NOT induce vomiting.
Seek medical advice immediately and show the label.

5 – FIRE FIGHTING MEASURES

Suitable mean of extinction : Special foams for polar liquids (known as alcohol resistant foams), powders and carbon dioxide.

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 :

6 – ACCIDENTAL RELEASE MEASURES

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

Avoid inhaling vapours.

Avoid any contact with the skin or eyes.

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.

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.

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 vapors.

Avoid any contact of the product with the skin or the eyes.

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 of any source of ignition, heat or direct sunlight.
 The floor of the storage areas must be impermeable and form a retention basis so that, in the case of accidental spillage, the liquid cannot spread elsewhere.

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° :
1310-58-3	-	-	-	2	-	-
64-17-5	1000	1900	5000	9500	-	84
Allemagne	Category :	MAK-ppm :	MAK-mg/m3 :	Notes :	Notes :	
1310-58-3	-	-	-	-	-	-
64-17-5	II, 1	500	960	5, C	-	-
ACGIH (TLV)	TWA-ppm :	TWA-mg/m3 :	STEL-ppm :	STEL-mg/m3 :	Notes :	Notes :
1310-58-3	-	2	-	-	-	P
64-17-5	1000	1880	-	-	A4	S

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

Respiratory protection: When workers risk being exposed to concentrations above the exposure limits, they should wear appropriate approved masks.
 Hand protection: Wear suitable gloves.
 Eye and face protection: Avoid contact with the eyes.
 Skin protection: For more details see paragraph 11 of the MSDS – Toxicological Information.

9 – PHYSICAL AND CHEMICAL PROPERTIES

General information: Physical state: Fluid liquid.
 Color: Colorless
 Odor: Woody fragrance.

Important health, safety and environment information:

pH of the substance / preparation: Strong base.
 When it is possible to measure the pH, its value is: 14.00 +/- 0.5.
 Boiling point : Not applicable.
 Flash point : = 41°C.
 Vapor pressure : Not applicable.
 Density: < 1
 Solubility in water: Soluble.
 Auto-ignition temperature: Not applicable.
 Decomposition point : Not applicable.
 Melting point : Not applicable.

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation can release hazardous decomposition products such as carbon dioxide, smoke and nitrogen oxide.

Conditions to avoid:

Materials to avoid:

Hazardous decomposition products:

11 – TOXICOLOGICAL INFORMATION

Inhalation:

Swallowing: Category 3 hazard with an LD50 between 50 and 300 mg/kg in rats according to the Globally Harmonized System (GHS). May be considered Xn and R22 according to the European Directives.

Contact with the skin: Corrosive, causes burns (R34).

Contact with the eyes: Irritant for the eyes with risk of serious eye lesions (R41).

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).

UN2924=FLAMMABLE LIQUID, CORROSIVE, N.S.A.

ADR/RID	Class	Code	Group	Label	Ident.	QL	Avail.			
	3	FC	III	3+8	38	LQ7	274			
IMDG	Class	2°Lab.	Group	QL	IdentFs	Avail.				
	3	8	III	5L	F-E, S-C	223	274	944		
IATA	Class	2°Lab.	Group	Passenger	Passenger	Cargo	Cargo	note		
	3	8	III	309	5 L	310	60L	A3		
	3	8	III	Y309	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 29th amendment to the Directive 67/548/EC (Hazardous Substances) has also been taken into account.

Classification of the preparation: Corrosive

Contains: LINALOOL. May cause an allergic reaction.

(R)-P-MENTHA-1, 8-DIENE. May cause an allergic reaction.

Specific risks attributed to the preparation and cautionary advice:

R 10 Flammable.

R 22 Harmful if swallowed.

R 34 Cause burns.

R 41 Risk of serious eye lesions.



- Specific provisions:
- S 26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.
 - S 37 Wear suitable gloves.
 - S 60 This material and its container must be disposed of as hazardous waste.
- 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.

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 22 Harmful if swallowed.
- R 35 Cause burns.
- R 36/38 Irritant for the eyes and the skin.
- R 38 Irritant for the skin.
- R 43 May cause sensitization by skin contact.
- R 50/53 Very toxic for aquatic organisms, may cause long term adverse effects in the aquatic environment.
- R 51/53 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.