

**MATERIAL SAFETY DATA SHEET****PRODUCT : DENTO – VIRACTIS 53**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 53**

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** **ht://www.centre-antipoison.net****2 – HAZARDS IDENTIFICATION**

This product is classified : This product isn't classified as flammable. See the advocations concerning the other products present in the premises.

May have corrosive effects.

The preparation sensitize the skin and the respiratory system.

It is also irritant for the skin and the eyes.

May have harmful effects with symptoms of slight poisoning by inhalation and swallowing.

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 7173-51-5 EC 230-525-2 DIDCYLDIMETHYLAMMONIUM CHLORIDE****Concentration >=0.00% and <2.50%. Symbol : C - N R : 34-22****CAS 111-30-8 EC 203-856-5 GLUTARALDEHYDE****Concentration >=2.50% and <10.00%. Symbol : T,N R : 34, 23/25, 42/43, 50**

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 :

No known substance of this category is present.

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.

If the breath is irregular or stopped, carry out the artificial breathing and seek medical advice.

Not make take anything by the mouth.

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 any soiled or splashed clothing immediately; these ones won't be reused before being decontaminated.  
Thoroughly wash the skin with soap and water or use a recognised cleaning agent.  
DO NOT use solvents or diluents.  
When the contaminated area is extensive and/or if cutaneous lesions appear, it is necessary to seek medical advice or to make transfer in hospital.
- Swallowing : In the case of swallowing, if the amount swallowed is not very much (no more than a mouthful), rinse the mouth with water, administer activated medical coal and seek medical advice. Show the label to the doctor.  
In the case of accidental swallowing, do not make drink, do not induce vomiting but make transfer in hospital immediately by medical ambulance. Show the label to the doctor.

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## 5 – FIRE FIGHTING MEASURES

Non concerned.

Suitable mean of extinction :

Prohibited means of extinction for safety reasons :

Specific protection equipment for fire fighting personnel :

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 : 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 : In the case of floor stain, and after the salvage of the product mopping it up with an inert and not combustible absorbent material, wash with plenty of water the surface that have been soiled.  
If the pouring out is considerable, evacuate the personnel making intervening only trained operators equipped with an equipment of protection.  
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.

People who have medical history such of asthma, allergies, chronic or periodic respiratory difficulties should not implement these preparations in any case.

People who have medical history of cutaneous sensitization should not handle such products in any case.

Handling : Handle in well ventilated areas.

Fire prevention : 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.

Avoid any contact of the product with the skin or 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.  
 Store out of the way of foods and drinks, those for animals included.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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

People who have medical history such of cutaneous sensitization, asthma, allergies, chronic or periodic respiratory difficulties should not implement these preparations in any case.

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°:
111-30-8	0,1	0,4	0,2	0,8	-	65,66
Germany	Category:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
111-30-8	I	0,1	0,42	C, Sens		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
111-30-8	0,05	-	-	-	-	P

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

Respiratory protection: Avoid particularly any inhalation of vapors with this preparation.  
 Hand protection: In case of risk of hand contact use imperatively appropriate gloves.  
 Eye and face protection: Avoid the contact with skin and eyes.  
 Put gloves, facial screens and safety glasses at the personnel's disposal.  
 Skin protection: Wear appropriate protection clothing and particularly an apron and boots. These things will be keep in good condition and cleaned after use.  
 For more details see paragraph 11 of the MSDS – Toxicological Information.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

General information: Physical state: Fluid liquid.  
 Colour: Blue limpid.  
 Odour: Apple fragrance.

Important health, safety and environment information:

pH of the substance / preparation: Neutral.  
 When it is possible to measure the pH, its value is: 6.00 +/- 0.5.  
 Boiling point : Not applicable.  
 Flash point : Not applicable.  
 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

The preparation is stable respecting the handling and storage conditions recommended at the heading paragraph 7 of the MSDS.

Conditions to avoid:

Materials to avoid:

Hazardous decomposition products:

## 11 – TOXICOLOGICAL INFORMATION

Splashes in the eyes may cause irritations and reversible damages.

Contained substances let foresee conventionally that an application on the healthy and intact skin of an animal cause tissues destructions in less than four hours.

Contained substances let foresee conventionally the possibility, for some subjects, of a reaction of sensitization in case of inhalation and cutaneous contact.

Exposure by inhalation:

Swallowing: Concentrated solution : DL50 > 1800mg/Kg – Toxic by swallowing.  
0,5 % diluted solution : DL50 > 20000mg/kg – Not hazardous preparation in case of swallowing.

Contact with the skin: Concentrated solution : Corrosive for the skin – Cause burns.  
0,5 % diluted solution : Not irritant preparation for the skin.

Contact with the eyes: Concentrated solution : Irritant for the eye – Risks of serious eye lesions.  
0,5 % diluted solution : Not irritant preparation for the eye.

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 2001/573/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).

UN1760=CORROSIVE LIQUID, N.S.A.

ADR/RID	Class	Code	Group	Label	Ident.	QL	Avail.	
	8	C9	III	8	80	LQ19	274	
IMDG	Class	2°Lab	Group	QL	IdentFs	Avail.		
	8	-	III	5 L	F-A, S-B	223 274 944		
IATA	Class	2°Lab.	Group	Passenger	Passenger	Cargo	Cargo	note
	8	-	III	818	5 L	820	60L	A3
	8	-	III	Y818	1 L	-	-	-



## 15 – REGULATORY INFORMATION


This preparation has been classified in accordance with the 1999/45/CE "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: Corrosive.

Contains: GLUTARALDEHYDE

Specific risks attributed to the preparation and cautionary advice:

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- R 20/22 Toxic by inhalation and swallowing.
  - R 34 Causes burns.
  - R 37-38 Irritant for respiratory ways and skin.
  - R 41 Risk of serious eye lesions.
  - R 42/43 May trigger a sensitization by inhalation and skin contact.
  - S 9 Store the container in a well ventilated area.
  - S 23 Do not inhale the vapors.
  - S 26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.
  - S 36/37/39 Wear suitable protection clothing , gloves and a protection system for the eyes and the skin.
  - S 38 In case of insufficient ventilation, wear a suitable respiratory system.
  - S 45 In case of accident or feeling of faintness seek medical advice immediately (if possible show the label).
  - S 51 Use only in well ventilated areas.
  - 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)

This preparation is a matter for a specific classification.

Table of occupational illnesses provided for in Article R, 461-3 of the *Code du Travail* (French Labour Code):

Table N° 65 – Possibility of eczematiform lesions of allergic mechanism

Table N° 66 – Rhinitis and professional asthmas.

## 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 22 Harmful if swallowed.
- R 23/25 Toxic by inhalation and swallowing.
- R 34 Causes burns.
- R 42/43 May cause a sensitisation by inhalation and skin contact.
- R 50 Very toxic for aquatic organisms, may cause long term adverse effects in the aquatic environment.
- R 51/53 Toxic for aquatic organisms.

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