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**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**


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**1.1 Product identifier**

**Product name** FD 333 WIPES QUICK-ACTING DISINFECTION (NZ)  
**Synonyms** FD333 WIPES QUICK-ACTING DISINFECTION • QUICK-ACTING DISINFECTION

**1.2 Uses and uses advised against**

**Uses** CLEANING AGENT • DISINFECTANT • SANITISER • WIPE(S)

**1.3 Details of the supplier of the product**

**Supplier name** IVOCLAR VIVADENT LTD. (NZ)  
**Address** 12 Omega St, Rosedale, Auckland, NEW ZEALAND  
**Telephone** + 64 9 914 9999  
**Fax** + 64 9 914 9990  
**Email** [Customercare.nz@ivoclar.com](mailto:Customercare.nz@ivoclar.com)

**1.4 Emergency telephone numbers**

**Emergency** 0800 764 766 (National Poison Centre - 24 hours / 7 days)

**1.7 Details of alternative suppliers of the product**

**Supplier name** DURR DENTAL  
 Po Box 2067, Woonona East, NSW, 2517, AUSTRALIA  
 Phone: (02) 4285 0667  
 Emergency: 13 11 26  
[info@duerrdental.com](mailto:info@duerrdental.com)  
<https://www.duerrdental.com/en/home/>

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**2. HAZARDS IDENTIFICATION**


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**2.1 Classification of the substance or mixture**

HAZARDOUS ACCORDING TO NZ ENVIRONMENTAL PROTECTION AUTHORITY CRITERIA

**Physical Hazards**

Flammable Liquids: Category 2

**Health Hazards**

Serious Eye Damage / Eye Irritation: Category 2

**Environmental Hazards**

Not classified as an Environmental Hazard

**2.2 GHS Label elements**

**Signal word** DANGER

**Pictograms**



# PRODUCT NAME FD 333 WIPES QUICK-ACTING DISINFECTION (NZ)

## Hazard statements

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

## Prevention statements

P103 Read carefully and follow all instructions.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P240 Ground and bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

## Response statements

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P370 + P378 In case of fire: Use appropriate media to extinguish.

## Storage statements

P403 + P235 Store in a well-ventilated place. Keep cool.

## Disposal statements

P501 Dispose of contents/container in accordance with relevant regulations.

## 2.3 Other hazards

No information provided.

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## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

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### 3.1 Substances / Mixtures

| Ingredient                         | CAS Number | EC Number | Content      |
|------------------------------------|------------|-----------|--------------|
| ETHANOL                            | 64-17-5    | 200-578-6 | >=60 to <65% |
| ISOPROPYL ALCOHOL                  | 67-63-0    | 200-661-7 | >=1 to <5%   |
| DIDECYL DIMETHYL AMMONIUM CHLORIDE | 7173-51-5  | 230-525-2 | <0.06%       |

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## 4. FIRST AID MEASURES

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### 4.1 Description of first aid measures

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

**Ingestion** For advice, contact the National Poisons Centre on 0800 764 766 (0800 POISON) or +643 479 7248 or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.

**First aid facilities** Eye wash facilities should be available.

### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

### 4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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### 5.1 Extinguishing media

Water fog or foam. Prevent contamination of drains and waterways.

## PRODUCT NAME FD 333 WIPES QUICK-ACTING DISINFECTION (NZ)

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

Highly flammable. May evolve carbon oxides and hydrocarbons when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones, etc when handling.

### 5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### 5.4 Hazchem code

1Z

1 Coarse Water Spray.

Z Wear full fire kit and breathing apparatus. Contain spill and run-off.

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## 6. ACCIDENTAL RELEASE MEASURES

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### 6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

If spilt, collect and reuse where possible.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

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## 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store removed from direct sunlight, heat or ignition sources and foodstuffs.

### 7.3 Specific end uses

No information provided.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### 8.1 Control parameters

#### Exposure standards

| Ingredient              | Reference | TWA |                   | STEL |                   |
|-------------------------|-----------|-----|-------------------|------|-------------------|
|                         |           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Ethanol (Ethyl alcohol) | WES [NZ]  | 200 | 380               | 800  | 1520              |
| Isopropyl alcohol       | WES [NZ]  | 400 | 983               | 500  | 1230              |

#### Biological limits

| Ingredient        | Determinant      | Sampling Time                   | BEI     |
|-------------------|------------------|---------------------------------|---------|
| ISOPROPYL ALCOHOL | Acetone in urine | End of shift at end of workweek | 40 mg/L |

Reference: ACGIH Biological Exposure Indices

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas.

**PRODUCT NAME FD 333 WIPES QUICK-ACTING DISINFECTION (NZ)**

**PPE**

|                    |  |
|--------------------|--|
| <b>Eye / Face</b>  | When using large quantities or where heavy contamination is likely, wear splash-proof goggles. |
| <b>Hands</b>       | Not required under normal conditions of use.   |
| <b>Body</b>        | Not required under normal conditions of use.   |
| <b>Respiratory</b> | Not required under normal conditions of use.   |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties**

|                                  |                              |
|----------------------------------|------------------------------|
| <b>Appearance</b>                | WHITE WIPE (LIQUID EMBEDDED) |
| <b>Odour</b>                     | ALCOHOL ODOUR                |
| <b>Flammability</b>              | HIGHLY FLAMMABLE             |
| <b>Flash point</b>               | < 23°C                       |
| <b>Boiling point</b>             | NOT AVAILABLE                |
| <b>Melting point</b>             | NOT AVAILABLE                |
| <b>Evaporation rate</b>          | NOT AVAILABLE                |
| <b>pH</b>                        | NOT AVAILABLE                |
| <b>Vapour density</b>            | NOT AVAILABLE                |
| <b>Relative density</b>          | NOT AVAILABLE                |
| <b>Solubility (water)</b>        | SLIGHTLY SOLUBLE             |
| <b>Vapour pressure</b>           | NOT AVAILABLE                |
| <b>Upper explosion limit</b>     | NOT AVAILABLE                |
| <b>Lower explosion limit</b>     | NOT AVAILABLE                |
| <b>Partition coefficient</b>     | NOT AVAILABLE                |
| <b>Autoignition temperature</b>  | NOT AVAILABLE                |
| <b>Decomposition temperature</b> | NOT AVAILABLE                |
| <b>Viscosity</b>                 | NOT AVAILABLE                |
| <b>Explosive properties</b>      | NOT AVAILABLE                |
| <b>Oxidising properties</b>      | NOT AVAILABLE                |
| <b>Odour threshold</b>           | NOT AVAILABLE                |

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**10. STABILITY AND REACTIVITY**

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**10.1 Reactivity**

Carefully review all information provided in sections 10.2 to 10.6.

**10.2 Chemical stability**

Stable under recommended conditions of storage.

**10.3 Possibility of hazardous reactions**

Polymerization will not occur.

**10.4 Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Compatible with most commonly used materials.

**10.6 Hazardous decomposition products**

May evolve carbon oxides and hydrocarbons when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

**Acute toxicity** Based on available data, the classification criteria are not met.

**PRODUCT NAME FD 333 WIPES QUICK-ACTING DISINFECTION (NZ)****Information available for the ingredients:**

| Ingredient                         | Oral LD50                  | Dermal LD50                | Inhalation LC50          |
|------------------------------------|----------------------------|----------------------------|--------------------------|
| ETHANOL                            | 3450 mg/kg (mouse)         | --                         | 20000 ppm/10 hours (rat) |
| ISOPROPYL ALCOHOL                  | > 2000 mg/kg (rat) (AICIS) | > 2000 mg/kg (rat) (AICIS) | > 20 mg/L (rat) (AICIS)  |
| DIDECYL DIMETHYL AMMONIUM CHLORIDE | 84 mg/kg (rat)             | > 2,000 mg/kg (rat)        | --                       |

|                                 |   |
|---------------------------------|---|
| <b>Skin</b>                     | Contact may result in irritation, redness, rash and dermatitis.   |
| <b>Eye</b>                      | Contact may result in irritation, lacrimation and redness.  |
| <b>Sensitisation</b>            | Not classified as causing skin or respiratory sensitisation.  |
| <b>Mutagenicity</b>             | Not classified as a mutagen.  |
| <b>Carcinogenicity</b>          | Not classified as a carcinogen.   |
| <b>Reproductive</b>             | Not classified as a reproductive toxin.   |
| <b>STOT - single exposure</b>   | Over exposure may result in central nervous system (CNS) effects with headache, drowsiness and dizziness. |
| <b>STOT - repeated exposure</b> | Not classified as causing organ damage from repeated exposure.  |
| <b>Aspiration</b>               | Not classified as causing aspiration.   |

**12. ECOLOGICAL INFORMATION****12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

If spilled on soil, ethanol will either evaporate or leach into the ground due to the relatively high vapour pressure and low adsorption in soil. It will biodegrade, probably to acetic acid and formaldehyde. Ethanol will volatilise from water and biodegrade, and is not expected to bioconcentrate. It will photodegrade in air with a half-life ranging from hours (polluted air) to days (clean air).

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

**Waste disposal** No special precautions are required for the disposal of this product.

**Legislation** Dispose of in accordance with relevant local legislation.

**14. TRANSPORT INFORMATION**

**CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005, IMDG AND IATA**



**PRODUCT NAME FD 333 WIPES QUICK-ACTING DISINFECTION (NZ)**

|                                    | LAND TRANSPORT (NZS 5433)   | SEA TRANSPORT (IMDG / IMO)  | AIR TRANSPORT (IATA / ICAO)   |
|------------------------------------|---|---|---|
| <b>14.1 UN Number</b>              | 3175  | 3175  | 3175  |
| <b>14.2 Proper Shipping Name</b>   | SOLIDS CONTAINING<br>FLAMMABLE LIQUID, N.O.S.<br>(contains ethanol) | SOLIDS CONTAINING<br>FLAMMABLE LIQUID, N.O.S.<br>(contains ethanol) | SOLIDS CONTAINING<br>FLAMMABLE LIQUID, N.O.S.<br>(contains ethanol) |
| <b>14.3 Transport hazard class</b> | 4.1   | 4.1   | 4.1   |
| <b>14.4 Packing Group</b>          | II  | II  | II  |

**14.5 Environmental hazards**

Not a Marine Pollutant.

**14.6 Special precautions for user****Hazchem code** 1Z**EmS** F-A, S-I**Other information**

Exemption: UN Special Provision 216 (Mixtures of solids which are not subject to this Code and flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leakproof when used as a bulk packaging. Sealed packets and articles containing less than 10 ml of a packing group II or III flammable liquid absorbed into a solid material are not subject to this Code provided there is no free liquid in the packet or article).

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Approval code** HSR002528 (2020)**Group standard** Cleaning Products (Flammable) Group Standard 2020**Inventory listings** **AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)**

All components are listed on AIIC, or are exempt.

**NEW ZEALAND: NZIoC (New Zealand Inventory of Chemicals)**

All components are listed on the NZIoC inventory, or are exempt.

**16. OTHER INFORMATION****Additional information**

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PRODUCT NAME FD 333 WIPES QUICK-ACTING DISINFECTION (NZ)**

|                      |                   |   |
|----------------------|-------------------|---|
| <b>Abbreviations</b> | ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
|                      | CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
|                      | CCID              | Chemical Classification and Information Database (HSNO)   |
|                      | CNS               | Central Nervous System  |
|                      | EC No.            | EC No - European Community Number   |
|                      | EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
|                      | EPA               | Environmental Protection Authority [New Zealand]  |
|                      | GHS               | Globally Harmonized System  |
|                      | HSNO              | Hazardous Substances and New Organisms  |
|                      | IARC              | International Agency for Research on Cancer   |
|                      | LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
|                      | LD50              | Lethal Dose, 50% / Median Lethal Dose   |
|                      | mg/m <sup>3</sup> | Milligrams per Cubic Metre  |
|                      | OEL               | Occupational Exposure Limit   |
|                      | pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
|                      | ppm               | Parts Per Million   |
|                      | STEL              | Short-Term Exposure Limit   |
|                      | STOT-RE           | Specific target organ toxicity (repeated exposure)  |
|                      | STOT-SE           | Specific target organ toxicity (single exposure)  |
|                      | TLV               | Threshold Limit Value   |
|                      | TWA               | Time Weighted Average   |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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