

Date: June 8, 2010

Former date: New

**1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURER, IMPORTER OR OTHER UNDERTAKING****1.1 Identification of the substance or preparation**

Trade name: Exxcl Oral Blue Toothpaste™

Code of the preparation: 06082010B

**1.2 Use of the chemical**

1.2.1 The intended uses of the chemical: The product is an oral application.

1.2.2 Standard industrial classification (SIC): 3256

1.2.3 Use categories: Dental use

1.2.4 The chemical can be used by the general public

1.2.5 The chemical is used by the professionals and the general public.

**1.3 Identification of the manufacture, importer or other undertaking****1.3.1 manufacturer, importer, or other undertaking**

Contact information:

Biofilm Innovations Group, LLC

4905 Edgemoor Lane

Bethesda, MD

Zip Code: 20814

Telephone number: 301-657-4200

Fax number: 301-657-4201

**1.4 Emergency telephone.4.1****INFOTRAC (24-hr/7 days): 1-800-535-5053****For Medical Emergency - Call 1-800-535-5053 Call Collect 352-323-3500****INFOTRAC located at 200 N. Palmetto St., Leesburg, FL 34748****2. COMPOSITION AND INFORMATION ON INGREDIENTS****2.1 Hazardous Ingredients**

2.1.1	2.1.2	2.1.3	
CAS #	EINECS No	Name	% Concentration
50-70-4	200-061-5	Sorbitol	33-39
7732-18-5	259-952-2	De-ionized water	31-35
112926-00-8	NE	Amorphous silica	21-23
25322-68-3	500-038-2	Polyethylene glycol	2 - 3
11138-66-2	234-394-2	Xanthan gum	1 - 2
7757-82-6	231-820-9	Sodium sulfate	1 - 2
151-21-3	205-788-1	Sodium lauryl sulfate	1 - 2
56038-13-2	259-952-2	Sucralose	0 - 1

**2.1.5 Confidential ingredients:**

PAC-5

2 - 7%

**2.1.6 Substances not listed as confidential: Titanium oxide, sodium benzoate****2.1.7 Other information: Peppermint flavoring****3 HAZARDOUS IDENTIFICATION**

Human

This product may cause irritation to eyes.

Safety

Keep out of eyes.

## Ecological

This product is unlikely to accumulate in aquatic environment.

**4. FIRST AID MEASURES**

- 4.1 Special instructions: None.  
4.2 Skin contact: May irritate eyes.

**5. FIRE-FIGHTING MEASURES**

- 5.1 Suitable extinguishing media: Use appropriate method for surrounding fire (carbon dioxide, foam and water spray).  
5.2 Extinguishing media must not be used for safety reasons: None known  
5.3 Special exposure hazards in fire: Oxides of carbon  
5.4 Special protective equipment for fire-fighters: Wear full bunker gear with SCBA:  
5.5 Other instructions: None

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions: Wash hands thoroughly after contact.  
6.2 Environmental precautions: None known.  
6.3 Methods for cleaning up: Absorb material and dispose in trash.  
6.4 Other instructions: None

**7. HANDLING AND STORAGE**

- 7.1 Handling: Store the liquid in original container with cap tightened when not in use.  
7.2 Storage: Keep in cool dry area away from children.  
7.3 Specific use(s): Dental use.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## 8.1 Exposure limit values

- 8.1.1 Other limit values: Titanium oxide 15 mg/m<sup>3</sup>.  
8.1.2 Limit values in other countries: Same as above

## 8.2 Exposure controls

- 8.2.1 Occupational exposure controls: Wear disposable gloves and eye protection  
8.2.2 Respiratory protection: Not necessary, work in well-ventilated area  
8.2.3 Hand protection: Wear disposable gloves  
8.2.4 Eye protection: Wear eye protection.  
8.2.5 Environmental exposure controls: Not an issue.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- 9.1 General information (physical state, colour and odour). The product is blue viscous gel with a mint odour.

## 9.2 Important health, safety and environmental information

- |       |                        |                       |
|-------|------------------------|-----------------------|
| 9.2.1 | pH:                    | > 7.0                 |
| 9.2.2 | Flash point:           | Will not flash.       |
| 9.2.3 | Flammability (solid) : | Not flammable.        |
| 9.2.4 | Explosive properties:  | None.                 |
| 9.2.5 | Oxidizing properties:  | Not an oxidizer.      |
| 9.2.6 | Water solubility:      | 100% soluble          |
| 9.2.7 | Viscosity:             | Similar to toothpaste |

## 9.3 Other information

**10. STABILITY AND REACTIVITY**

- |      |                                   |                  |
|------|-----------------------------------|------------------|
| 10.1 | Conditions to avoid:              | None known       |
| 10.2 | Materials to avoid:               | None known.      |
| 10.3 | Hazardous decomposition products: | Oxides of carbon |

**11. TOXICOLOGICAL INFORMATION**

- |      |                               |  |
|------|-------------------------------|--|
| 11.1 | Acute toxicity:               | Excessive use.                           |
| 11.2 | Irritation and corrosiveness: | Not corrosive, may be a slight irritant. |

11.3	Sensitisation:	Not common
11.4	Sub-acute, sub-chronic and prolonged toxicity:	None known
11.5	Empirical data on effects on humans:	Excessive use, cause a slight irritation.
11.6	Other information on health effects:	Not known.

**12. ECOLOGICAL INFORMATION**

12.1	Ecotoxicity	
12.1.1	Aquatic toxicity:	Very low
12.1.2	Toxicity to other organisms:	Very low
12.2	Mobility:	Not mobile in water phase
12.3	Persistence and degradability:	
12.3.1	Biodegradation:	Yes
12.3.2	Chemical degradation:	Yes
12.4	Bioaccumulation potential:	Very low
12.5	Other adverse effects:	None known

**13. DISPOSAL CONSIDERATIONS**

Dispose in accord with National regulations.

**14. TRANSPORTATION INFORMATION**

14.1	UN number:	None
14.2	Packing group:	None
14.3	Land transport	
14.3.1	Transport class:	Not regulated
14.3.2	Name according to bill of freight:	Exxcl Oral Blue Toothpaste
14.3.3	Other information:	None
14.4	Sea transport	
14.4.1	IMDG class:	Not regulated
14.5	Air transport	
14.5.1	ICAO/IATA class:	Not regulated

**15. REGULATORY INFORMATION**

15.1	Information on the warning label
15.2	National regulations All functional components of this product are listed on the TSCA Inventory

**16. OTHER INFORMATION**

16.1	Restrictions on use: None
16.2	Further information: Call INFOTRAC 1-800-535-5053. or call collect 1- 352-323-3500
16.3	Sources of key data used: EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379/EEC, WHMIS, NIOSH and OSHA 29 CFR Part 1910.1200.
16.4	This product contains no Prop 65 materials.
16.5	This is a new Safety Data Sheet.
16.6	None listed in the following inventories: USA (TSCA); China (CI); Korea (ECL); Canada (DSL); Philippines (PICCS); Europe (EINECS); Japan (MITI) and Australia (AICS).

## 16.7 Abbreviations:

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AICS	Australian Inventory of Chemical Substances
CAS #	Chemical Abstract Service Number
°C	Celsius temperature scale
CI	China
DSL	Canada
ECL	Korean Existing Chemicals List
EEC	European Economic Commission
ENCS	Japanese Existing and New Chemical List
EINECS #	European Inventory of Existing Chemical Substances Number
EU	European Union
°F	Fahrenheit
(Israel)	2001 proposed list of chemical substances to be regulated under Israel Hazardous Substances Law and Regulations List
MAC	Netherlands
MAK	Germany
MITI	Ministry of International trade and Industry
NA	Not applicable
MITI	Japan
ND	Not determined
NE	None established
PICCS	Philippines
PPE	Personal Protective Equipment
Prop.	Proprietary
SWISS	Giftliste 1
SWISS	Inventory of Notified New Substances
TSCA	Toxic Substance Control Act
(Taiwan)	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086
UK	United Kingdom
USA	United States

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