


# Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0		
Health Hazard	1								
Fire Hazard	0								
Reactivity	0								

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Issuing Date 24-Jan-2008      Revision Date 24-Jan-2008      Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name**      BreathRx Purifying Toothpaste- Whitening Formula

**Recommended Use**      Toothpaste. Personal care. Antibacterial.

**Supplier Address**  
 Discus Dental LLC  
 8550 Higuera St, Culver City, CA,  
 90232  
 US  
 Phone:(310) 845-8200  
 Contact:Henna Sherzai  
 Contact Phone:310-845-8341  
 Emergency Phone: (310) 845-8200

**Company Emergency Phone Number** (310) 845-8200

## 2. HAZARDS IDENTIFICATION

Emergency Overview		
The product contains no substances which at their given concentration are considered to be hazardous to health		
<b>Appearance</b> Blue	<b>Physical State</b> Paste/Gel, Liquid	<b>Odor</b> Mint-like

**Potential Health Effects**  
**Principle Routes of Exposure**      Skin contact, Ingestion.

**Acute Toxicity**  
**Eyes**      May produce transient superficial eye irritation.

Deleted: May cause irritation.

**Skin**      Prolonged exposure may produce transient irritation.

Deleted: No known hazard in contact with skin.

**Inhalation**      No applicable information has been found.

Deleted: Not an expected route of exposure.

**Ingestion**      Ingestion of 1 oz. or more may cause nausea, vomiting, and mild GI irritation.

Deleted: No known hazard by swallowing.

**Chronic Effects**      No known effect.

**Aggravated Medical Conditions** None known.

**Environmental Hazard** See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water, distilled, conductivity or of similar purity	7732-18-5	30 - 60
Hydrated silica	10279-57-9	10 - 30
Sorbitol	50-70-4	10 - 30
Glycerin	56-81-5	10 - 30
Xylitol	87-99-0	1 - 5
Polyethylene-polypropylene glycol	9003-11-6	1 - 5
Tetrasodium pyrophosphate	7722-88-5	1 - 5
Tetrapotassium pyrophosphate	7320-34-5	1 - 5
Non-hazardous, TSCA compliant, vendor-supplied flavor	UNKNOWN-5	1 - 5
Sodium lauryl sulfate	151-21-3	1 - 5
Sodium methyl cocoyl taurate	61791-42-2	0.1 - 1
Sodium carboxymethyl cellulose	9004-32-4	0.1 - 1
Xanthan gum	11138-66-2	0.1 - 1
Mica	12001-26-2	0.1 - 1
Sodium saccharin	128-44-9	0.1 - 1
Sodium fluoride	7681-49-4	0.1 - 1
Zinc gluconate	4468-02-4	< 0.1
BLUE 1	1341-88-4	< 0.1

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors or decomposition products.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable.
<b>Flash Point</b>	Not applicable.
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Hazardous Combustion Products</b>	Carbon oxides
<b>Explosion Data</b>	
Sensitivity to mechanical impact	Not sensitive
Sensitivity to static discharge	Not sensitive

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA 1

Health Hazard 1

Flammability 0

Stability 0

Physical and Chemical Hazards -

Deleted: 0

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Avoid contact with eyes.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.
<b>Storage</b>	Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin	TWA: 10 mg/m <sup>3</sup>		
Tetrasodium pyrophosphate		(vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
Mica	TWA: 3 mg/m <sup>3</sup>	(vacated) TWA: 3 mg/m <sup>3</sup>	IDLH: 1500 mg/m <sup>3</sup> containing <1% quartz TWA: 3 mg/m <sup>3</sup>
Sodium fluoride	TWA: 2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup>	IDLH: 250 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup>

NIOSH IDLH: Immediately Dangerous to Life or Health

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
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**Personal Protective Equipment****Eye/Face Protection**

No special protective equipment required.

**Skin and Body Protection**

No special protective equipment required.

**Respiratory Protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Blue	<b>Odor</b>	Mint-like
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Paste/Gel, Liquid
<b>pH</b>	7 -8		
<b>Flash Point</b>	Not applicable.	<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available	<b>Boiling Point/Range</b>	No information available
<b>Melting Point/Range</b>	No information available		
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Water Solubility</b>	Partly soluble	<b>Solubility</b>	No information available
<b>Evaporation Rate</b>	No information available	<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available	<b>VOC Content</b>	14.6
<b>Partition Coefficient (n-octanol/water)</b>			

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Strong oxidizing agents.
<b>Conditions to Avoid</b>	No information available.
<b>Hazardous Decomposition Products</b>	Carbon oxides.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
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Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water, distilled, conductivity or of similar purity	90 mL/kg ( Rat )		
Sorbitol	15900 mg/kg ( Rat )		
Glycerin	12600 mg/kg ( Rat )	21900 mg/kg ( Rat )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Xylitol	16500 mg/kg ( Rat )		
Polyethylene-polypropylene glycol	5700 mg/kg ( Rat )		
Tetrasodium pyrophosphate	4 g/kg ( Rat )		
Tetrapotassium pyrophosphate		4640 mg/kg ( Rabbit )	
Sodium lauryl sulfate	1288 mg/kg ( Rat )	580 mg/kg ( Rabbit )	3900 mg/m <sup>3</sup> ( Rat ) 1 h
Sodium carboxymethyl cellulose	27000 mg/kg ( Rat )	2 g/kg ( Rabbit )	5800 mg/m <sup>3</sup> ( Rat ) 4 h
Sodium saccharin	14200 mg/kg ( Rat )		

Sodium fluoride	52 mg/kg ( Rat )	175 mg/kg ( Rat )	
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**Chronic Toxicity**

**Chronic Toxicity** No known effect.

**Target Organ Effects** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Glycerin		LC50 51000 - 57000 mg/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h
Tetrapotassium pyrophosphate		LC50> 100 mg/L Oncorhynchus mykiss 96 h		EC50 > 100 mg/L 48 h
Sodium lauryl sulfate	EC50 30 - 100 mg/L 96 h EC50 = 117 mg/L 96 h EC50 = 53 mg/L 72 h	LC50 13.5 - 18.3 mg/L Poecilia reticulata 96 h LC50 4.06 - 5.75 mg/L Lepomis macrochirus 96 h LC50 6.6 - 8.5 mg/L Pimephales promelas 96 h LC50= 10.2 mg/L Pimephales promelas 96 h LC50= 17 mg/L Pimephales promelas 96 h LC50= 22.5 mg/L Pimephales promelas 96 h LC50= 4.6 mg/L Oncorhynchus mykiss 96 h LC50= 7.97 mg/L Brachydanio rerio 96 h	EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	EC50 = 1.8 mg/L 48 h
Sodium saccharin		LC50= 1830 mg/L Pimephales promelas 96 h		
Sodium fluoride	EC50 = 272 mg/L 96 h	LC50> 530 mg/L Lepomis macrochirus 96 h		EC50 = 338 mg/L 48 h

Chemical Name	Log Pow
Glycerin	= -1.76
Sodium lauryl sulfate	= 1.6

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Dispose of in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium fluoride	Toxic
Zinc gluconate	Toxic

### 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	Not regulated
<b><u>TDG</u></b>	Not regulated
<b><u>MEX</u></b>	Not regulated
<b><u>ICAO</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG/IMO</u></b>	Not regulated
<b><u>RID</u></b>	Not regulated
<b><u>ADR</u></b>	Not regulated
<b><u>ADN</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium saccharin	X		X		
Tetrasodium pyrophosphate	X	X	X		X
Sodium fluoride	X	X	X		X
Mica	X	X	X		X

### International Regulations

#### Mexico - Grade

Minimum risk, Grade 0

Chemical Name	Carcinogen Status	Exposure Limits
Mica		Mexico: TWA= 3 mg/m <sup>3</sup>

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**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Non-controlled

Chemical Name	NPRI
Sodium fluoride	X

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION**

<b>Issuing Date</b>	24-Jan-2008
<b>Revision Date</b>	24-Jan-2008
<b>Revision Note</b>	No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**