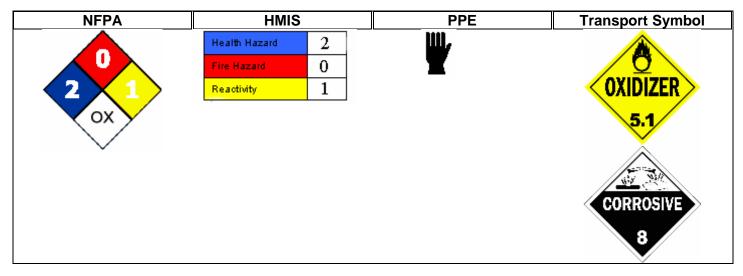
# **Material Safety Data Sheet**





Issuing Date 18-Nov-2008 Revision Date NOT AUTHORIZED Revision Number NOT AUTHORIZED

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Zoom Chairside Whitening Gel 25%

UN-No UN2014

### **Supplier Address**

Discus Dental, LLC. 8550 Higuera St. Culver City, CA 90232 TEL: 1-800-817-3636

**Emergency Telephone Number** 1-800-817-3636

# 2. HAZARDS IDENTIFICATION

### WARNING!

# **Emergency Overview**

Irritating to eyes
May cause skin irritation
Vapors may be irritating to eyes, nose, throat, and lungs
May cause adverse kidney effects
Oxidizing agent
Severe eye irritation
May cause skin irritation and/or dermatitis

May cause adverse effects on the bone marrow and blood-forming system

Contains a known or suspected reproductive toxin

Appearance Clear Physical State Liquid. Odor Mint-like

**Potential Health Effects** 

Principle Routes of Exposure Inhalation, Skin contact, Eye contact.

**Acute Toxicity** 

Eyes Avoid contact with eyes. Risk of serious damage to eyes. Contact with eyes may cause

irritation.

Skin May cause skin irritation and/or dermatitis. Avoid contact with skin. Irritating to skin. May cause

inflammation.

**Inhalation** Inhalation of vapors in high concentration may cause irritation of respiratory system. May

cause irritation of respiratory tract. May be harmful if inhaled.

Ingestion Ingestion may cause irritation to mucous membranes. May cause gastrointestinal discomfort if

consumed in large amounts. Harmful if swallowed.

Chronic Effects Avoid repeated exposure. Contains a known or suspected reproductive toxin.

Aggravated Medical Conditions Preexisting eye disorders, Kidney disorders, Skin disorders, Respiratory disorders,

Methemoglobinemia, Blood disorders, Overexposure may cause female and male reproductive

disorder(s).

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	30-60
polyethylene-polypropylene glycol	9003-11-6	15-40
Hydrogen peroxide	7722-84-1	15-40
Glycerin	56-81-5	3-7
Propylene Glycol	57-55-6	1-5
Potassium nitrate	7757-79-1	1-5
Potassium hydroxide	1310-58-3	0.1 - 1
Mentha piperita oil	8006-90-4	0.1 - 1
Eugenol	97-53-0	0.1 - 1
1-Hydroxyethane-1,1-diphosphonic acid	2809-21-4	< 0.1
Iron, bis(D-gluconato-O1,O2)-, dihydrate	12389-15-0	< 0.1

# 4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Immediate medical attention is required.

**Skin Contact**Wash skin with soap and water. If skin irritation persists, call a physician.

**Inhalation** Move to fresh air in case of accidental inhalation of vapors or decomposition products. If

symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Consult a physician. If large

quantities of this material are swallowed, call a physician immediately.

Notes to Physician Treat symptomatically.

# 5. FIRE-FIGHTING MEASURES

Flammable Properties Not applicable.

Flash Point Not applicable.

Suitable Extinguishing Media Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

Uniform Fire Code • Irritant: Liquid

Other Health Hazard: Target Organ Toxin--Liquid

Oxidizer: Class 1--LiquidOxidizer: Class 1--Solid

This product contains a Class 1 Oxidizer as defined by the Uniform Fire Code

Hazardous Combustion Products Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NOx),

Aldehydes, On decomposition product releases oxygen which may

intensify fire.

**Explosion Data** 

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

**Specific Hazards Arising from the Chemical** 

Oxidizing agents may form explosive peroxides.

**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. Wear self contained breathing apparatus for fire fighting if necessary.

gear. Wear sell contained breathing apparatus for the fighting it necessary.

NFPA Health Hazard 2 Flammability 0 Stability 1 Physical and Chemical

**Hazards** OX

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Avoid contact with the skin and the eyes. Evacuate

personnel to safe areas. Keep people away from and upwind of spill/leak.

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary

sewer system. Prevent product from entering drains.

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder

spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled

containers. Soak up with inert absorbent material. Dam up.

Other Information Keep combustibles (wood, paper, oil, etc) away from spilled material.

7. HANDLING AND STORAGE

**Handling** Ensure adequate ventilation. Wear personal protective equipment. Use only in area provided

with appropriate exhaust ventilation. Do not breathe vapors or spray mist.

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled

containers. Keep out of the reach of children.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Iron, bis(D-gluconato-O1,O2)-,	TWA: 1 mg/m <sup>3</sup>	(vacated) TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>
dihydrate			
12389-15-0			

NIOSH IDLH: Immediately Dangerous to Life or Health

**Engineering Measures** Showers. Eyewash stations. Ventilation systems.

**Personal Protective Equipment** 

Eye/Face Protection Skin and Body Protection Respiratory Protection

Tightly fitting safety goggles. Face-shield.

Protective gloves.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high

airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-

use. Provide regular cleaning of equipment, work area and clothing.

**Autoignition Temperature** 

**Boiling Point/Range** 

Not applicable

Not applicable

### 9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceClear.OdorMint-like.Odor ThresholdNo information availablePhysical StateLiquid

p**H** 7-9

Flash Point Not applicable.

Decomposition Temperature Not applicable

Melting Point/Range No information available

Flammability Limits in Air Not applicable Explosion Limits No information available

Specific Gravity1.01-1.15Water SolubilitySoluble in water.SolubilityInsoluble in solvents.Evaporation RateNo information availableVapor PressureNo data availableVapor DensityNo data available

Vapor PressureNo data availableVapor DensityNo data availableVOC ContentNot applicableViscosity200,000-800,000 cps

### 10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions. Decomposes on heating.

**Incompatible Products** Strong oxidizing agents. Strong acids. Metals.

Conditions to Avoid Heat.

Hazardous Decomposition Products Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NOx). Aldehydes. Oxygen

which supports combustion.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity** 

Product Information

**Irritation** May cause skin and eye irritation.

**Inhalation** May cause irritation of respiratory tract.

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Zoom Chairside Whitening Gel 25%

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Fig. Control

**Eye Contact** May cause irreversible damage to eyes.

**Skin Contact** Prolonged or repeated contact may dry skin and cause irritation.

**Ingestion** Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide	801 mg/kg (Rat)	2000 mg/kg (Rabbit)	2 mg/L (Rat) 4 h
		4060 mg/kg (Rat)	
Potassium nitrate	3015 mg/kg (Rat)	-	-
Potassium hydroxide	214 mg/kg (Rat)	-	-
Eugenol	1930 mg/kg (Rat)	-	-

#### **Chronic Toxicity**

**Chronic Toxicity** Avoid repeated exposure. Contains a known or suspected reproductive toxin.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen peroxide	A3			

### ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

Target Organ Effects Eyes, Blood, Kidney, Respiratory system, Skin, Ingredients of the product create formation of

methaemoglobin.

**Endocrine Disruptor Information** 

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms Daphnia Magna (Water Flea)
1-Hydroxyethane-1,1-		LC50= 360 mg/L	EC50 = 527 mg/L 48 h
diphosphonic acid		Oncorhynchus mykiss 96 h	
		LC50= 563 mg/L Lepomis	
		macrochirus 96 h	

Chemical Name	Log Pow
1-Hydroxyethane-1,1-diphosphonic acid	3.49

# 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

**Contaminated Packaging**Do not re-use empty containers. Dispose of in accordance with local regulations.

US EPA Waste Number D001

U108 U115

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
Hydrogen peroxide	Toxic; Corrosive; Ignitable; Reactive
Potassium nitrate	Ignitable; Reactive
Potassium hydroxide	Toxic; Corrosive

#### 14. TRANSPORT INFORMATION

DOT

**Proper Shipping Name** Hydrogen peroxide, aqueous solutions

**Hazard Class** 5.1 **Subsidiary Class** 8 UN-No UN2014 **Packing Group** 

Description UN2014, Hydrogen peroxide, aqueous solutions, 5.1, (8),, PG II

**Emergency Response Guide** 140

Number

TDG

**Proper Shipping Name** Hydrogen peroxide, aqueous solution

**Hazard Class** 5.1 **Subsidiary Class** 8 **UN-No** UN2014

**Packing Group** Ш

Description HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1, UN2014, PG II

**MEX** 

**Proper Shipping Name** Hydrogen peroxide, aqueous solution

**Hazard Class** 5.1 **Subsidiary Class** 8 **UN-No** UN2014 **Packing Group** 

Description

UN2014 Hydrogen peroxide, aqueous solution, 5.1, II

**ICAO** 

UN-No UN2014

**Proper Shipping Name** Hydrogen peroxide, aqueous solution

**Hazard Class Subsidiary Class** 8 **Packing Group** Ш

Description Hydrogen peroxide, aqueous solution, 5.1(8), UN2014, PG II

**IATA** 

UN-No UN2014

**Proper Shipping Name** Hydrogen peroxide, aqueous solution

**Hazard Class** 5.1 **Subsidiary Class** 8 **Packing Group** Ш **ERG Code** 5C

Description UN2014, Hydrogen peroxide, aqueous solution, 5.1(8), PG II

IMDG/IMO

**Proper Shipping Name** Hydrogen peroxide, aqueous solution

**Hazard Class** 5.1 **Subsidiary Class** 8 UN2014 **UN-No Packing Group** EmS No. F-H, S-Q

UN2014, Hydrogen peroxide, aqueous solution,5.1(8),PG II Description

RID

**Proper Shipping Name** Hydrogen peroxide, aqueous solution

**Hazard Class** 5.1 UN-No UN2014 **Packing Group** Ш

# 14. TRANSPORT INFORMATION

Classification Code OC1

**Description** UN2014 Hydrogen peroxide, aqueous solution,5.1,II,RID

ADR/RID-Labels 5.1 + 8

**ADR** 

Proper Shipping Name Hydrogen peroxide, aqueous solution

Hazard Class 5.1
UN-No UN2014
Packing Group II
Classification Code OC1

**Description** UN2014 Hydrogen peroxide, aqueous solution,5.1,II

ADR/RID-Labels 8

<u>ADN</u>

Proper Shipping Name Hydrogen peroxide, aqueous solution

Hazard Class 5.1
Packing Group II
Classification Code OC1

**Description** UN2014 Hydrogen peroxide, aqueous solution,5.1,II

Hazard Labels 5.1 + 8 Limited Quantity LQ10

### 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** Complies

### **U.S. Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or 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 Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard Yes

#### **Clean Water Act**

This product contains the following substances which are regulated 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 contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:.

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

### **U.S. State Regulations**

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals:

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

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Hydrogen peroxide	Χ	Χ	X		X
Potassium nitrate	X	X	X		X
Potassium hydroxide	Χ	X	X		X
1-Hydroxyethane-1,1-		X			
diphosphonic acid					
Iron, bis(D-gluconato-O1,O2)-			X		X
, dihydrate					

### **International Regulations**

Mexico - Grade Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits

Chemical Name	Carcinogen Status	Exposure Limits
Hydrogen peroxide	A3	Mexico: TWA= 1.5 mg/m <sup>3</sup>
		Mexico: TWA= 1 ppm
		Mexico: STEL= 2 ppm
		Mexico: STEL= 3 mg/m <sup>3</sup>
Iron, bis(D-gluconato-O1,O2)-, dihydrate		Mexico: TWA= 1 mg/m <sup>3</sup>
		Mexico: STEL= 2 mg/m <sup>3</sup>

#### 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**

D2B Toxic materials



### Legend

NPRI - National Pollutant Release Inventory

### **16. OTHER INFORMATION**

Prepared By Product Stewardship

23 British American Blvd. Latham, NY 12110 1-800-572-6501

Issuing Date 18-Nov-2008

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Revision Note No information available

#### Disclaimer

The information provided on this SDS 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 Safety Data Sheet**