

PRO-SYS MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier PRO-SYS RGSTRNGTH		WHIMIS Classification	
Product Use Dental Whitening Gel			
Company Name Benco Dental		Supplier's Name	
Street Address 295 Centerpoint Blvd.		Street Address	
City Pittston	Province/State PA	City	Province/State
Postal/Zip Code 18640	Emergency Telephone 1.800.462.3626	Postal/Zip Code	Emergency Telephone
Date MSDS Prepared Jul 2, 2014	MSDS Prepared by Jag Dhamrait	Phone Number 416.231.9444	

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD 50 of Ingredient (specify species and route)	LC 50 of Ingredient (specify species)
Carbamide Urea Peroxide	20%	124-43-6	1.4 mg/m3 (8hr)	1.4 mg/m3 (8hr)
Hydrogen Peroxide	5%	7722-84-1	1.4 mg/m3 (8hr)	1.4 mg/m3 (8hr)
Potassium Nitrate	1%	7757-79-1	3750mg/kg	3750mg/kg

SECTION 3 – HAZARDS IDENTIFICATION

(Emergency Overview)

Main Hazards:



“O” – Oxidizing

R: Phrases

R34 Causes Burns

R36/37/38 Irritating to eyes, respiratory system and skin.

41 Risk of serious damage to eyes

WHIMIS Symbols

Potential Health Effects

Irritation to the eyes and skin.

SECTION 4 – FIRST AID MEASURES

Skin Contact

Immediately rinse with plenty of water.

Eye Contact

Rinse opened eye with plenty of water for several minutes, then consult a doctor.

Inhalation

Remove from exposure to fresh air immediately. If breathing is difficult give oxygen.

Ingestion

Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to

SECTION 5 – FIRE FIGHTING MEASURES

Flammable YES		If yes, under which conditions?
Means of Extinction Use water only. Evacuate all personnel. Use protective equipment for fire fighting. Use self contained breathing apparatus when the product is involved in a fire. Contact professional fire-fighters immediately.		
Flashpoint (° C) and Method 60	Upper Flammable Limit (% by volume) 2.6	Lower Flammable Limit (% by volume) 12.5
Autoignition Temperature (° C) 415	Explosion Data – Sensitivity to Impact N/A	Explosion Data – Sensitivity to Static Discharge N/A
Hazardous Combustion Products		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures

Scoop up, wash with plenty of water. Mop and dispose of in DOT approved containers.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment

Observe normal safety regulations when handling chemicals. Wash hands thoroughly after handling.

Store Requirements

Store in a cool dry place, protected from sunlight.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits

☐ ACGIH ☐ OSHA PEL ☐ Other (specify)

Specific Engineering Controls (such as ventilation, enclosed process)

Provide general or local exhaust ventilation.

Personal Protective Equipment ☒ Gloves ☒ Respirator ☒ Eye ☐ Footwear ☒ Clothing ☐ Other

If checked, please specify type

Protective gloves and eyewear.

Section 9 – Physical and Chemical Properties

Physical State	Odour and Appearance	Odour Threshold (ppm)
Clear, thick gel.	Slight mint odor.	n/a
Specify Gravity	Vapour Density (air = 1)	Vapour Pressure (mmHg)
1.063	2.62	n/a
Evaporation Rate	Boiling Point	Freezing Point (° C)
< 0.1	187	n/a
pH	Coefficient of Water/Oil Distribution	Solubility in Water
6.5 approx	n/a	Complete

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability	If no, under which conditions?
Stable – Yes	
Incompatible with Other Substances	If yes, which ones?
Yes	Strong alkalies, strong acids. Most metals. Peroxides are strong oxidizing agent.
Reactivity, and under what conditions?	
Acts as an oxidizing agent. Avoid excessive heat and direct sunlight.	
Hazardous Decomposition Products	
Oxygen. Burning may liberate nitrogen oxides, ammonia, carbon dioxide and carbon monoxide.	

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	Irritant	
Effects of Chronic Exposure	n/a	
Irritancy of Product	Irritant to the skin and eyes.	
Skin Sensitization	No sensitization effects known	Respiratory Sensitization
		n/a
Carcinogenicity – IARC	n/a	Carcinogenicity - ACGIH
		n/a
Embrototoxicity	n/a	Teratogenicity
		n/a
Name of synergistic products/effects		Mutagenicity
n/a		n/a

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic Toxicity
No data is available on the effects of this material on the environment. Biological decomposability. Biodegradable. No ecological problems to be anticipated if properly handled and used.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal
Take to a waste incineration plant, under conditions approved by the local authority. Consult local, state and federal environmental protection agencies before disposing on any chemical.

SECTION 14 – TRANSPORT INFORMATION

Land Transport
Special Shipping Information Non-Hazardous for transport in small amounts.
PIN N/A
DOT Not regulated

Land Transport

ADR/RID Class: 5.1 Oxidizing substances
Danger Code: 58
Packing Group: III
Secondary Hazard: 8
UN-Number: 1511
HS Code: 2847-00-00
Hazard Label: 5.1 + 8

AIR Transport

ICAO/IATA Class: 5.1 Oxidizing substances
Danger Code: 58
Packing Group: III
Secondary Hazard: 8
UN-Number: 1511
HS Code: 2847-00-00
Hazard Label: 5.1 + 8
Proper shipping name: Oxidizing Liquid, Corrosive, N.O.S. (Urea Hydrogen Peroxide, Sodium Hydroxide)

SEA Transport

IMDG Class: 5.1 Oxidizing substances
Danger Code: 58
Packing Group: III
Secondary Code: 8
UN-Number: 1511
HS Code: 2847-00-00
Hazard Label: 5.1 + 8
Proper shipping name: Oxidizing Liquid, Corrosive, N.O.S. (Urea Hydrogen Peroxide, Sodium Hydroxide)

SECTION 15 – REGULATORY INFORMATION



R Phrases

R10 Flammable

R41 Contact with acids liberates toxic gas

R36/37/38 Irritating to eyes, skin and respiratory system

R43 May cause sensitization by skin contact

R8 Corrosive

S Phrases

S24/25 Avoid contact with skin and eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.

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

SECTION 16 – OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Health Hazard: 1; Fire Hazard:1; Reactivity:0;
R10 Flammable
R36/37/38 Irritating to eyes, skin and respiratory system
R43 May cause sensitization by skin contact