





Section 1 – Identification

Product Name: Niu Frost Teeth Whitening Gel **Manufacturer:** Keystone Industries
 480 S Democrat Rd, Gibbstown, NJ 08027

Active Ingredient: Hydrogen Peroxide 8% **Information Contacts:** (856) 663-4700
Toll Free: (800) 333-3131
Emergency Phone Numbers: (800) 535-5053

Family: Teeth Whitening Gel
Product Use: Professional Dental Bleaching Gel
Product #: Various

Section 2 – Hazards Identification

EMERGENCY OVERVIEW	
<ul style="list-style-type: none"> Will cause eye irritation. Will cause skin irritation. Prolong exposure may cause respiratory system irritation or burns. Ingestion of large amounts may cause nausea, vomiting, headaches, or dizziness. Unstable with heat, liberation of oxygen gas may result. 	<p style="font-size: small;">This information is based on findings from related or similar materials.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin, and ingestion.

Eye Vapors are irritating to the eyes. Splashes will cause redness / burning sensation of the eye. Possible corneal injury.

Skin Repeated/prolonged contact may cause irritation or burning of the skin. Symptoms include redness, burning, or itching.

Ingestion Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts is harmful. Symptoms include irritation of the throat, nausea, dizziness, and upset stomach.

Inhalation If fine mist is inhaled, irritation / burning of the respiratory tract will occur.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 – Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA	Limits ACGIH	Carcinogen	%
				TWA/STEL	TWA/STEL		
Glycerol	56-81-5	200-289-5	Glycerin	(as respirable, mist) TWA = 5 mg/ m^3	(as mist) TWA = 5 mg/ m^3	IARC/NTP/OSHA Not listed	35-50
Hydrogen Peroxide	7722-84-1	231-765-0	Hydrogen Peroxide	TWA = 1ppm; 1.4 mg/m^3	TWA = 1ppm; 1.4 mg/m^3	Not Listed	8-11
Triethanolamine	102-71-6	203-049-8	Triethanolamine	N/E	TWA = 5mg/m^3	Not listed	2-6

N/E – None Established N/DA – No Data Available
 N/A – Not Applicable
 N/R – Not Reviewed

(items in parenthesis relate to 1999/45/EC)

Glycerol: Danger Symbol – GHS07 (Xi) Hazard Statement – H315 (R38), H319 (R36) Precautionary Statement – P404 (S7), P403+ 235 (S3/9)

Hydrogen Peroxide: Danger symbol – GHS03 (O), GHS05 (C), GHS07 (Xi) Hazard Statement – H271 (R9), H332 (R20), H302 (R22), H314 (R34)
 Precautionary Statement – P210 (S16), P220 (S17), P221 (S50), P280 (S36/37/39), P283 (S36/37/39), P306+360 (S27), P371+380+375 (N/A), P370+378 (S43), P501 (S56)

Triethanolamine: Danger Symbol – GHS07 (Xi) Hazard Statement – H319 (R36) Precautionary Statement – P102 (S2), P361 (S27), P280 (S36/37), P280 (S39), P301+315 (S46)

See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures

First Aid for Eye Immediately flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

First Aid for Skin Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists. People with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

First Aid for Ingestion If greater than normal dose is swallowed, do not induce vomiting. Drink large quantity of water or milk. Seek medical attention.

First Aid for Inhalation Move to fresh air. If having breathing difficulty, give oxygen. Seek medical attention if discomfort persists.

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

Method:

Extinguishing Media: Water spray may be used to extinguish surrounding fire and cool exposed containers. Water spray may also reduce fumes and irritating gases.

Fire Fighting Instructions: General: Evacuate all personnel. Use self-contained breathing apparatus (SCBA) and full protective clothing to prevent exposure when the product is involved in a fire.

Unusual Hazards: Under fire conditions this product may emit toxic and / or irritating fumes and gases which aid combustion.

Section 6 – Accidental Release Measures

Spill or Release Procedures Minor spills – Eliminate all ignition sources. Clean up immediately, and wear appropriate personal protective equipment and clothing to minimize exposure. Place inert absorbent material onto spillage. Collect the material and place into a suitable labeled container. Clean contaminated area with soap and water.

Major spills – Eliminate all ignition sources. Clear area of personnel. Restrict access to area. Wear appropriate personal protective equipment. Make sure area is well ventilated prior to cleanup. Dilute with water and place inert absorbent material onto spillage. Collect the material and place into a suitable labeled container. Mop / wipe area with soap and water. Do not allow spill to reach waterway, drains, and sewers.

See section 8 & section 12.

Section 7 – Handling and Storage

Handling Limit all unnecessary personal contact; avoid accidental contact; wear appropriate PPE.

Storage Store in a cool , well ventilated area away from heat, sparks and flame. Keep containers closed when not in use. Keep in original container provided by manufacturer. Avoid sunlight. Store according to local legislation. Ideally, keep refrigerated.

Explosion Hazard None.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls General exhaust is adequate under normal operating conditions.

Personal Protective Equipment

General To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.

Eye/ Face Protection Operator should wear safety glasses with side shields or chemical goggle. Ensure eye bath is on hand.

Skin Protection Operator should use impermeable clothing to prevent ANY skin contact with this product, such as gloves, apron, boots, or cotton overalls.

Respiratory Protection In case of insufficient ventilation (lack of engineering controls), wear suitable respiratory equipment.

Section 9 – Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Gel	Minty	N/A	(H2O = 1): N/A	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
N/A	N/DA	N/DA	N/A	N/A	N/A	N/A	N/A

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

Section 10 – Stability and Reactivity

Stability: Relatively stable, will emit oxygen over time	Incompatibility (Materials to Avoid): Keep away from combustible liquids; strong acids / bases
Hazardous Decomposition Products: Release of toxic / irritating fumes which are capable of supporting combustion	Hazardous Polymerization: Will not occur
Conditions to Avoid: Heat, incompatible materials, and sunlight	

Section 11 – Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
N/DA	N/DA	N/DA	N/DA	N/DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	N/DA	N/DA

Section 12 – Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/DA	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	N/E
Chemical Oxygen Demand	N/DA

Section 13 – Disposal Considerations

Dispose of in compliance with governmental regulation (state and federal). Repeatedly rinse empty containers with water before disposing in landfill.

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	UN2984, Hydrogen peroxide, aqueous solutions, 5.1, PGIII
Identification Number:	UN2984
Marine Pollutant:	No
Special Provisions:	A2, A3, A6, B53, IB2, IP5, T7, TP2, TP6, TP24, TP37
Emergency Response Guidebook (ERG) #:	140
IATA (DGR):	
Proper Shipping Name:	UN2984, Hydrogen peroxide, aqueous solutions, 5.1, PGIII
Class or Division:	5.1
UN or ID Number:	UN2984
Packaging Instructions:	PG III
Emergency Response Guidance (ICAO)#:	

IMO (IMDG):	
Proper Shipping Name:	UN2984, Hydrogen peroxide, aqueous solutions, 5.1, PGIII
Class or Division:	5.1
UN or ID Number:	UN2984
Special Provisions & Stowage/Segregation:	
Emergency Schedule (EmS)#:	
Other Information:	

Section 15 – Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following HAP’s or ODS: <ul style="list-style-type: none"> • NONE
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: <ul style="list-style-type: none"> • None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It’s hazards are: <ul style="list-style-type: none"> • Hydrogen Peroxide CAS #7722-84-1 (Corrosive) • Triethanolamine CAS #102-71-6: (Eye Irritant)
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). <ul style="list-style-type: none"> • None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification (“CERCLA” List): <ul style="list-style-type: none"> • Hydrogen Peroxide CAS #7722-84-1: 1,000 lbs (>52%)
SARA Title III: Section 311-312:	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). It’s hazards are: <ul style="list-style-type: none"> • Hydrogen Peroxide CAS #7722-84-1 (Corrosive) • Triethanolamine CAS #102-71-6 (Eye Irritant)
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: <ul style="list-style-type: none"> • None
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product does contain chemicals listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements. <ul style="list-style-type: none"> • Hydrogen Peroxide CAS #7722-84-1 • Triethanolamine CAS #102-71-6 None of the chemicals in this material have a SNUR under TSCA.

State Regulations

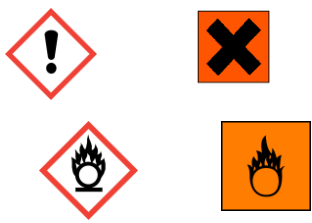
CA Right-to-Know Law: California No Significant Risk Rule:	<ul style="list-style-type: none"> • Hydrogen Peroxide CAS #7722-84-1 None
MA Right-to-Know Law:	<ul style="list-style-type: none"> • Glycerol CAS # 56-81-5 • Hydrogen Peroxide CAS #7722-84-1 • Triethanolamine CAS #102-71-6
NJ Right-to-Know Law:	<ul style="list-style-type: none"> • Glycerol CAS # 56-81-5 • Hydrogen Peroxide CAS #7722-84-1 • Triethanolamine CAS #102-71-6
PA Right-to-Know Law:	<ul style="list-style-type: none"> • Glycerol CAS # 56-81-5 • Hydrogen Peroxide CAS #7722-84-1 • Triethanolamine CAS #102-71-6
FL Right-to-Know Law:	<ul style="list-style-type: none"> • Hydrogen Peroxide CAS #7722-84-1
MN Right-to-Know Law:	<ul style="list-style-type: none"> • Glycerol CAS # 56-81-5

	<ul style="list-style-type: none"> Hydrogen Peroxide CAS #7722-84-1 Triethanolamine CAS #102-71-6
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International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	<ul style="list-style-type: none"> Glycerol CAS # 56-81-5 Hydrogen Peroxide CAS #7722-84-1 Triethanolamine CAS #102-71-6
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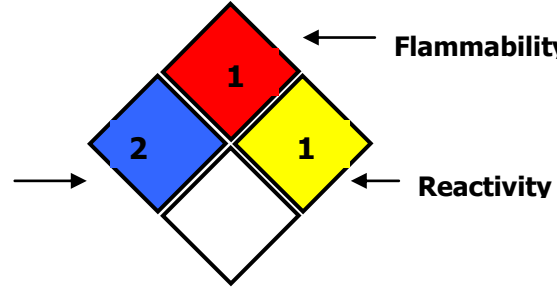
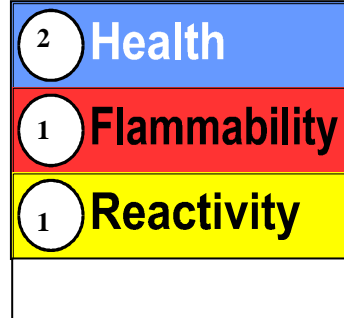
Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)

European Community: 	For Niu Frost 8% Hydrogen Peroxide Teeth Whitening Gel (finished product): <ul style="list-style-type: none"> DANGER SYMBOLS: GHS07 (Xi) – Warning / Irritant. GHS03 (O) - Oxidizer HAZARD STATEMENT: H315 (R38), Causes skin irritation. H319 (R36), Causes serious eye irritation. H335 (R37), May cause respiratory irritation. H272 (N/A) May intensify fire; oxidizer. H302 (R22), Harmful if swallowed. PRECAUTIONARY STATEMENT: P102 (S2), Keep out of reach of children. P261 (S24), Avoid breathing dust/fume/gas mist/vapour sprays. P280 (S36/37/39), Wear protective gloves/clothing/eye protection/face protection. P309+314 (S45), If exposed or you feel unwell, get medical advice/attention. P210 (S16), Keep away from heat/sparks/open flames/ hot surfaces – no smoking. P370+378 (S43), In case of fire, use water for extinction.
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Section 16 – Other Information
EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

(items in parenthesis relate to 1999/45/EC) Danger Symbols: GHS07 (Xi) – Warning / Irritant. GHS03 (O) – Oxidizer. GHS05 (C) – Corrosive Hazard Statement: H272 (N/A) , May intensify fire; oxidizer. H301 (R25) , Toxic if swallowed. H315 (R38) , Causes skin irritation. H318 (R41) Causes serious eye damage. H319 (R36) , Causes serious eye irritation. H332 (R20) , Harmful if inhaled. H302 (R22) , Harmful if swallowed. H314 (R34) , Causes severe skin burns and eye damage. H302 (R22) , Harmful if swallowed.
Precautionary Statement: P102 (S2) , Keep out of reach of children. P260 (S23) , Do not breathe dust/fume/gas/mist/vapors/spray. P261 (S24) , Avoid breathing dust/fume/gas mist/vapor sprays. P262 (S25) , Do not get in eyes, on skin, or on clothing. P280 (S36/37/39) , Wear protective gloves/clothing/eye protection/face protection. P309+314 (S45) , If exposed or you feel unwell, get medical advice/attention. P404 (S7) , Store in a closed container. P403+235 (S3/9) , Store in a well ventilated place. Keep cool. P210 (S16) , Keep away from heat/sparks/open flames/ hot surfaces – no smoking. P220 (S17) , Keep/store away from clothing/combustible materials. P221 (S50) , Take any precaution to avoid mixing with combustibles. P283 (S36/37/39) , Wear fire resistant / retardant clothing. P305+360 (S27) , If on clothing, rinse immediately contaminated clothing and skin with plenty of water before removing clothing. P371+380+375 (N/A) , In case of major fire and large quantities, evacuate area, fight fire remotely due to risk of explosion. P370+378 (S43) , In case of fire, use water for extinction. P501 (S56) , Dispose of contents / container properly. P361 (S27) , Remove/ Take off immediately all contaminated clothing. P301+315 (S46) , If swallowed, get immediate medical advice / attention.

Hazard Rating System (Pictograms)

NFPA: 	HMIS: 
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MSDS Prepared by:	WME
Revision History:	01/19/11 Initial

	05/01/13 Changed manufacturer from Deepak to Keystone, changed address and telephone number SWR
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