



Safety Data Sheet

Section 1: Identification

Product Name: In office Whitening

Product Use: Teeth whitening

Manufacturer: Inter-Med, Inc. / Vista Dental Products

Address: 2200 Northwestern Ave., Racine, WI 53404

Phone: (877) 418-4782 **Fax:** (262) 636-9760

24 HR. Emergency Telephone Number CHEMTREC (North America) : 800-424-9300

24 HR. Emergency Telephone Number CHEMTREC (International) : +1 (703) 527-3887

Section 2: Hazard(s) Identification

Classification

Serious Eye Damage/Eye Irritation	Category 1
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GHS Label elements, including precautionary statements

Emergency Overview



Danger

- Causes serious eye damage

Appearance: Colorless

Physical State: Liquid

Odor: Mint

Precautionary Statements

Prevention

- Wear eye/face protection.

General Advice

- None

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.



Continue rinsing

- Immediately call a POISON CENTER or doctor/physician.

Storage

- None

Disposal

- None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Prolonged or repeated skin contact may cause severe irritation.

17.2% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
Glycerin	56-81-5	10-15	*
Hydrogen peroxide	7722-84-1	32-37	*
Potassium hydroxide	1310-58-3	0.1-1	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

Section 4: First-Aid Measures

Description of necessary first-aid measures

General Advice: If symptoms persist, call a physician.

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

Keep eye wide open while rinsing. Get medical attention immediately if irritation persists.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation: Not an expected route of exposure. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or Poison Control Center immediately.

Ingestion: Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Protection of First-aiders: Use personal protective equipment.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects: Serious eye irritation or damage.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: Treat symptomatically.



Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors.

Explosion Data

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

Wear self contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Avoid contact with the skin and the eyes. Wash thoroughly after handling. Refer to Section 8 for personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment:

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for Cleaning Up:

Clean contaminated surface thoroughly.

Section 7: Handling and Storage

Precautions for safe handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage: Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

Incompatible Products: Strong reducing agents. Metals.



Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin 56-81-5	TWA: 10 mg/m ₃ mist	-	-
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ₃ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ₃	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ₃
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m ₃	(vacated) Ceiling: 2 mg/m ₃	Ceiling: 2 mg/m ₃

Immediately Dangerous to Life or Health. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH:

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Measures: Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection: If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and Body Protection: Protective gloves.

Respiratory Protection: 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.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Colorless
Odor	Mint	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	4.5 – 5.5	None known
Melting Point/Range	-5°C	None known
Boiling Point/Range	> 100°C	None known
Flash Point	Not Applicable	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air upper flammability limit	No data available	



lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	1.05-1.15 @ 25°C	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	Insoluble. Insoluble.	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	250k – 1MM cPs	None known
Flammable Properties:	Not flammable	
Explosive Properties:	No data available	
Oxidizing Properties:	No data available	
<u>Other information</u>		
VOC Content (%):	Not applicable.	

Section 10: Stability and Reactivity

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal conditions.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, sparks and open flames.

Incompatible materials

Strong reducing agents. Metals.

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

Section 11: Toxicological Information

Information on likely routes of exposure

Product Information: Product is safe for its intended use based on the formulation, testing results, and the long history of safe consumer use.

Inhalation: Not an expected route of exposure. Inhalation of mist may cause irritation to the respiratory system.

Eye Contact: Not an expected route of exposure. Expected to be severely irritating or corrosive to eyes based on components present in formulation.

Skin Contact: Based on the ingredients present in the formulation, prolonged or repeated skin contact may be irritation, or severely irritating, to the skin. However, testing of tooth whiteners containing 10-22% urea hydrogen peroxide has shown to not cause primary skin irritation to the skin of animals. Irritation may occur to mucous membranes due to the oxidative nature of the hydrogen peroxide present, especially after prolonged or repeated contact.



Ingestion: Not expected to be toxic following ingestion. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerin	= 12600 mg/kg (Rat)	21900 mg/kg (Rat)	-
Potassium hydroxide	= 214 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms: Eye contact with liquid may cause irritation including stinging, burning, tearing, or reddening of the eyes.

Delayed and immediate effects and also chronic effects from short and long term exposure

Corrosivity: Causes serious eye irritation. Risk of serious damage to eyes.

Sensitization: No information available.

Mutagenic Effects: Multiple mutagenicity studies of tooth whiteners containing hydrogen peroxide or urea hydrogen peroxide did not show mutagenic effects.

Carcinogenicity: Contains no ingredients above reportable quantities listed as a carcinogen.

Chemical Name	ACGIH	IARC
Hydrogen Peroxide	A3	Group 3

Reproductive Toxicity: Not classified due to lack of data.

Developmental Toxicity: Not classified due to lack of data.

STOT - single exposure: None under normal use conditions.

STOT - repeated exposure: None under normal use conditions.

Chronic Toxicity: Avoid repeated exposure. Prolonged exposure may cause chronic effects.

Target Organ Effects: Eyes. Gastrointestinal tract (GI). Mucous membrane.

Aspiration Hazard: No information available.

Numerical measures of toxicity - Product

Acute Toxicity 17.2% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral >5000 mg/kg; Acute toxicity estimate

LD50 Dermal >5000 mg/kg; Acute toxicity estimate



Section 12: Ecological Information

Ecotoxicity: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (water Flea)
Hydrogen Peroxide 7722-84-1	EC50 72 h: = 2.5 mg/L (Chlorella vulgaris)	LC50 96 h: 10.0-32.0 mg/L static (Oncorhynchus mykiss) LC50 96 h: 18-56 mg/L static (Lepomis macrochirus) LC50 96 h: = 16.4 mg/L (Pimephales promelas)		EC50 48 h: 18-32 mg/L Static (Daphnia magna) EC50 24 h: = 7.7 mg/L (Daphnia magna)
Glycerin 56-81-5	-	LC50 96 h: 51-57 mL/L static (oncorhynchus mykiss)	-	EC50 24 h: > 500 mg/L (Daphnia magna)
Potassium Hydroxide 1310-58-3		LC50 96 h: = 580 mg/L static (Gambusia affinis)		

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Chemical Name	Log Pow
Glycerin	-1.76
Potassium Hydroxide	0.83

Other Adverse Effects

No information available.

Section 13: Disposal Considerations

Waste Disposal Methods: 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: Do not re-use empty containers.

To minimize exposure during disposal, refer to Section 8.

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



Section 14: Transport Information

DOT

UN-Number Not Regulated
 Proper shipping name
 Hazard Class
 Packing Group
 Description
 Emergency Response Guide Number

TDG

UN-Number Not Regulated
 Proper Shipping Name
 Hazard Class
 Packing Group
 Description

MEX

UN-Number Not Regulated
 Proper Shipping Name
 Hazard Class
 Packing Group
 Description

IATA

UN-Number Not Regulated
 Proper Shipping Name
 Hazard Class
 Packing Group
 ERG Code
 Description

IMDG/IMO

UN-Number Not Regulated
 Proper Shipping Name
 Hazard Class
 Packing Group

Section 15: Regulatory Information

International Inventories

TSCA	Complies
DSL	Substances comply or are exempt
ENCS	Substances comply or are exempt
IECSC	Substances comply or are exempt
KECL	Substances comply or are exempt
PICCS	Substances comply or are exempt
AICS	Substances comply or are exempt

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

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 Yes

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure Hazard No

Reactive Hazard No

Clean Water Act

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Hydrogen peroxide	X	X	X	X
Potassium hydroxide	1000 lb			X

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Hydrogen Peroxide		1000 lbs	
Potassium Hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

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	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Glycerin	X	X			X
Potassium hydroxide	X	X	X		X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

NFPA Health Hazard 2 Flammability 0
Instability 0 Physical and Chemical -

HMIS Health Hazard 2 Flammability 0
Physical Hazard 0 Personal Protection X

Section 16: Other Information

The data and information given in this material safety data sheet are accurate to the best of our knowledge on the date of preparation. It does not indicate any warranty or representation.

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