



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
52-777-03

Product Name: Ideal Conditioning Gel

Release Date: March 22, 2006

1. Product and Company Identification

Trade Name & Synonyms Ideal Conditioning Gel	MSDS Code Number Refer to part number
Chemical Name NA	Manufacture / Distributor GAC International Inc.
C.A.S. Number 7664-38-2	Address 355 Knickerbocker Ave. Bohemia, NY USA 11716
Grades or Minor Variant Identities NA	Information Telephone Number 1-631-419-1700
Product Use (for Canada) Dental etching material.	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	PEL TLV	C.A.S. Number	Exposure Limits	%
Phosphoric acid	1mg/m ³ /3 mg/m ³	7664-38-2	NA	NA
DOT HAZARD CLASS/ID No: Class 8, III/UN 1805 WHMIS CLASSIFICATION: Class E- Corrosive NFPA HMIS RATING: Health: 3 Flammability: 0 Reactivity: 0				

3. Hazard Identification

Emergency Overview NA					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Corrosive. May cause burns or irritation.	NA	NA	Summary of Acute hazards: Corrosive material. Causes eye and skin burns. Summary of chronic hazards: None known	NA
Skin	Skin absorption: Slightly toxic. Skin contact: Corrosive. May cause burns or irritation. May not produce an immediate burning sensation, delaying awareness that contact has occurred.	NA	NA	Summary of Acute hazards: Corrosive material. Causes skin burns. May not produce an immediate burning sensation upon skin contact, delaying awareness that contact has occurred. Summary of chronic hazards: None known	NA
Inhalation	None expected under normal conditions of use of this product. However, if inhaled as a mist or vaporize, it can be irritating to the respiratory tract.	NA	NA	NA	NA
Ingestion	Corrosive. Slightly toxic. May cause burns or irritation to the mouth, throat or gastrointestinal tract.	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure NA					
Carcinogenicity (IARC, NTP) Not known to be a carcinogen. No teratogenicity, mutagenicity, or reproductive toxicity known.					
Potential Environmental Effects NA					



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4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Immediately flush with running water for 15 minutes.	Get medical care.	NA
Skin	Immediately flush with running water for 15 minutes.	Get medical care.	NA
Inhalation	Remove person to fresh air.	Seek medical attention if symptoms persist.	NA
Ingestion	Dilute with water or milk. Do not induce vomiting.	Get medical attention.	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring) NA			

5. Fire and Explosion Data

Flashpoint & Method: °C / °F Not combustible	Flammable (Explosive) Limits in Air LEL: N/A UEL: N/A	Autoignition Temperature NA	Other
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health-, Flammability-, Reactivity-NA	Hazardous combustion products: Phosphoric acid can react with metals to liberate hydrogen, a flammable gas. Combustion by-products include oxides of phosphorus.
Extinguishing Media Water spray will keep fire-exposed containers cool. Extinguish fire with agent suitable for surrounding fire,		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters Wear protective clothing and positive pressure self-contained breathing apparatus.			
Unusual Fire and Explosion Hazards NA			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment Wear gloves and chemical splash goggles. For small quantities: Absorb spill with dry paper towels. Place all material in chemical waste container for disposal. Flush spill area with water.
Evacuation Procedures NA
Special Instructions Other precautions: Wash thoroughly after handling. Use with adequate ventilation. Keep container closed. Empty container retains vapors and product residue; observe all safeguards.
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings NA
Storage Practices and Warnings Store tightly closed in cool, dry well-ventilated location away from heat sources and out of direct sunlight. Separate from alkalies and most metals.



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8. Exposure Control/Personal Protection

Ventilation No special ventilation required under normal conditions of use of this product. For larger quantities, local mechanical exhaust ventilation to keep TLV<3 mg/m3.		Other Engineering Controls NA
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Chemically resistant splash goggles.	NA
Skin	Protective gloves: Chemically resistant gloves.	NA
Inhalation	Under normal conditions of use of this product, the surgical masks worn by dental staff are adequate. If used in vivo, a high speed evacuation tip should be used to protect patient. When airborne limits are exceeded, a NOSH-approved respirator with full-face piece is recommended.	NA
General Hygiene Considerations and Work Practices Wash thoroughly after handling. Clean protective equipment before reuse.		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment Wear long sleeves, apron or lab coat over clothing, to protect skin. If used in vivo, use rubber dam around tooth to be etched and high-speed evacuator tip or other protective devices for patient. Mask all surrounding tissue. Emergency eye wash fountain should be available.		

9. Physical and Chemical Characteristics

Appearance Clear blue gel		Odor Characteristic odor.
Normal Physical State: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> GEL (Other)		Boiling Point 135 °C / °F Melting Point 42 °C / °F Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) 1.575	Solubility in Water Complete	pH NA
Vapor Pressure (mm Hg @ 20°C) 0.0285	Vapor Density (AIR= 1) NA	Evaporation Rate (Butyl Acetate = 1) NA
Other Odor threshold: N/A		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) Avoid contact with materials such as sulfides and sulfites, which could release toxic gases. Avoid strong alkalies because high heat if reaction can generate steam. Avoid most metals because phosphoric acid can react to liberate hydrogen, a flammable gas.		
Hazardous Products Produced During Decomposition Toxic gases, steam, hydrogen (flammable), oxides of phosphorus.		
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur		Conditions to Avoid °C / °F None
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		Conditions to Avoid °C / °F None

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data NA
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12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements
NA

13. Disposal Considerations

Regulations
Waste disposal method: Follow all government regulations.

Properties (Physical/Chemical) Affecting Disposal
NA

14. Transport Information

Regulated for shipping?

Yes No

Proper Shipping Name

Ideal conditioning gel

Packing Group

NA

Do changes in quantity, packaging, or shipment method change product classification?

Yes No

Hazard Class

DOT HAZARD
CLASS NO:
Class 8, 111/ UN
1805

Identification Number

NA

Other

NA

15. Regulatory Information

Federal Regulations

NA

International Regulations

NA

Other

WHMIS CLASSIFICATION: Class E corrosive.

NFPA HMIS RATING: Health 3 Flammability: 0 Reactivity: 0

16. Other Information

Supplier Number: 6/52

Supplier Release: January 1, 2005

N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.