

SAFETY DATA SHEETS

This SDS packet was issued with item:

073851441

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

073851375 073851391 073851417 073851458 073851474

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

073851409

Material Safety Data Sheet
May be used to comply with
Administration
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health

(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY <i>(As Used on Label and List)</i> Gentle Etch Etching Gel	NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name Temrex Corporation	Emergency Telephone Number (800) 645-1226
Address <i>(Number, Street, City, State, and ZIP Code)</i> 112 Albany Avenue	Telephone Number for Information (516) 868-6221
P.O. Box 182	Date Prepared January 24, 2011
Freeport, NY 11520	Signature of Preparer <i>(optional)</i>

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	Other Limits ACGIH TLV
Recommended % (optional)		

Phosphoric Acid	N/A	N/A	N/A	N/A

Section III – Physical/Chemical Characteristics

Boiling Point Above 80°C	Specific Gravity <i>(H₂O = 1)</i> ca 1.25
Vapor Pressure <i>(mm Hg.)</i>	Melting Point
Vapor Density <i>(AIR = 1)</i> N/A	Evaporation Rate <i>(Butyl Acetate = 1)</i>
Solubility in Water Soluble.	
Appearance and Odor Blue gel; no odor.	

Section IV – Fire and Explosion Hazard Data

Flash Point <i>(Method Used)</i> N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures Non-Flammable.			
Unusual Fire and Explosion Hazards None			

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>)			
Alkaline materials; metals.			
Hazardous Decomposition or Byproducts			
None			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Ingestion: Take solution of sodium bicarbonate. If not available, take milk. Do not induce

vomiting. On contact with skin or eyes, flush immediately with copious amounts of water.

Contact physician if skin is damaged or pain persists in eyes.

Health Hazards (*Acute and Chronic*)

Damage to tissue on contact. May cause burns.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

N/A

N/A

N/A

Signs and Symptoms of Exposure

Skin irritation.

Medical Conditions Generally Aggravated by Exposure

None known.

Emergency and First Aid Procedures

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

N/A

Waste Disposal Method

Precautions to Be Taken in Handling and Storing

Routine precautions applicable to acids.

Other Precautions

Wash with copious amounts of water.

Section VIII – Control Measures

Respiratory Protection (*Specify Type*)

None required.

Ventilation	Local Exhaust	Special
	Mechanical (<i>General</i>)	Other
Protective Gloves		Eye Protection
Not required if used according to directions.		Not required if used accordingly.
Other Protective Clothing or Equipment		
None required.		
Work/Hygienic Practices		
In case of contact with skin or mucosa, wash immediately.		



PRODUCT # 7200, GENTLE ETCH

ISSUE DATE: FEB., 18TH 2016

SECTION 1: IDENTIFICATION

PRODUCT NAME: 12 GRAM BLUE GEL ETCH SYRINGE

COMMON/CHEMICAL NAME: BLUE, 10%, PHOSPHORIC ACID ETCHING GEL

RECOMMENDED USE: DENTAL MATERIAL

MANUFACTURED BY: TEMREX CORPORATION, 300 BUFFALO AVE., FREEPORT, NY 11520

EMERGENCY TELEPHONE: 800-645-1226

GENERAL INFORMATION: +1 516 868 6221

SECTION 2: HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION: FOR POTENTIAL HEALTH HAZARDS, SEE SECTION 11 BELOW

No other significant critical hazards to man or the environment are reasonably foreseen



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME/COMMON NAME: GREEN, 33% PHOSPHORIC ACID ETCHING GEL

PRODUCT CONTENTS: ENAMEL CONDITIONER

HAZARDOUS INGREDIENTS: PHOSPHORIC ACID SOLUTION (SEE BELOW)

<u>PHOSPHORIC ACID SOLUTION</u>	<u>HAZARDOUS SCALE</u>	<u>HAZARDOUS DATA</u>
PROPER SHIPPING NAME: ABOVE	4 - EXTREME	HEALTH: 2
CAS: 7664-38-2	3 - HIGH	FLAMMABILITY: 0
UN DESIGNATION: UN1805	2 - MODERATE	REACTIVITY: 2
CLASS: 8, CORROSIVE	1 - SLIGHT	
PACKING GROUP: III	0 - INSIGNIFICANT	

SECTION 4: FIRST AID MEASURES

INHALATION: NO HARM ANTICIPATED FROM QUANTITIES AS PACKAGED

SKIN: RINSE WITH WATER, PROLONGED CONTACT MAY DESTROY TISSUE. SEEK MEDICAL ATTENTION IN CASE OF SERIOUS IRRITATION OR BURNS.

EYES: IMMEDIATELY RINSE WITH COPIOUS AMOUNTS OF WATER. SEEK MEDICAL ATTENTION AS SOON AS POSSIBLE.

INGESTION: CORROSIVE TO MOUTH AND THROAT – DO NOT INDUCE VOMITIN. SERVE MILK IF AVAILABLE OR SODIUM CARBONATE SOLUTION



SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: WATER CONTACT ACCEPTABLE

EXTINGUISHING MEDIA WHICH SHOULD NOT BE USED: NONE

SPECIAL EXPOSURE HAZARDS FROM COMBUSTION PRODUCTS: NONE IN QUANTITIES AS PACKAGED

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: NONE

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EMERGENCY PROCEDURES: Avoid contact of skin or eyes. Wash hands with soap and water if contact occurs

ENVIRONMENTAL PRECAUTIONS AND METHODS FOR CONTAINMENT: DISPOSE IN DOT APPROVED WASTE CONTAINERS

METHODS FOR CLEANING UP: DILUTE WITH LARGE AMOUNTS OF WATER AND DISPOSE

SECTION 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS: AVOID PROXIMITY OF REACTIVE METALS AND ALKALINE SUBSTANCES

SAFE STORAGE CONDITIONS: STORE AT TEMPERATURES NOT EXCEEDING 83 DEGREES FAHRENHEIT (30 DEGREES CELSIUS)

OTHER RESTRICTIONS OR RECOMMENDATIONS: NONE

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA PERMISSIBLE EXPOSURE LIMITS: NOT ESTABLISHED

RESPIRATORY PROTECTION AND VENTILATION: NOT REQUIRED UNDER NORMAL HANDLING

PROTECTIVE CLOTHING OR EQUIPMENT: NOT REQUIRED

UNUSUAL WORK/HYGIENIC PRACTICES: IF CONTACT WITH SKIN OR EYES OCCURS, WASH IMMEDIATELY WITH COPIOUS AMOUNTS OF WATER

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: BLUE GEL

ODOR: NEGLIGIBLE

ODOR THRESHOLD: NOT ESTABLISHED

pH: 1

MELTING POINT/FREEZING POINT: NOT APPLICABLE

INITIAL BOILING POINT AND BOILING RANGE: 100 DEGREES CELSIUS

FLASH POINT: NOT APPLICABLE

EVAPORATING RATE: NOT ESTABLISHED

FLAMMABILITY (SOLID,GAS): NO



UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: NOT APPLICABLE

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

VAPOR PRESSURE: < 760 mmHg at 100 degrees celsius

VAPOR DENSITY: <1

RELATIVE DENSITY: ~1.2

SOLUBILITY: SOLUBLE IN WATER

PARTITION CO-EFFICIENT: NOT ESTABLISHED

AUTO-IGNITION TEMPERATURE: NOT APPLICABLE

DECOMPOSITION TEMPERATURE: NOT ESTABLISHED

VISCOSITY: NOT ESTABLISHED

SECTION 10: STABILITY AND REACTIVITY

STABILITY: GENERALLY STABLE

CONDITIONS TO AVOID (STABILITY): NOT APPLICABLE

INCOMPATIBILITY (MATERIAL TO AVOID): REACTIVE METALS, ALKALINE SUBSTANCES

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: PHOSPHORIC ACID VAPORS AND PHOSPHORIC OXIDES, IF EXPOSED TO EXTREME HEAT

HAZARDOUS POLYMERIZATION: NOT APPLICABLE

CONDITIONS TO AVOID (POLYMERIZATION): AVOID TEMPERATURE ABOVE 83 DEGREES FAHRENHEIT (30 DEGREES CELSIUS)

SECTION 11: TOXICOLOGICAL INFORMATION

POTENTIAL ACUTE HEALTH EFFECTS: EYE AND SKIN IRRITATION UPON CONTACT. SKIN IRRITATION UPON PROLONGED EXPOSURE.

POTENTIAL CHRONIC HEALTH EFFECTS: POSSIBILITY OF SEVERE SKIN/EYE DAMAGE UPON PROLONGED OR REPEAT EXPOSURE

SIGNS AND SYMPTOMS OF EXPOSURE: SKIN/EYE IRRITATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN

CARCINOGENIC OR POTENTIAL CARCINOGENIC EFFECTS: NO INGREDIENT LISTED AS CARCINOGEN

OTHER POTENTIAL HEALTH EFFECTS: NONE KNOWN

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NO ECOLOGICAL DAMAGE OR IMPACT ANTICIPATED UPON EXPOSURE TO ENVIRONMENT, IN QUANTITIES AS PACKAGED.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: DO NOT DISPOSE IN SINK. DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.



SECTION 14: TRANSPORT INFORMATION

UN CLASSIFICATION: NOT APPLICABLE

IDENTIFICATION: NOT APPLICABLE

SPECIAL PROVISIONS FOR TRANSPORT: SEE CURRENT DANGEROUS GOODS REGULATIONS

SECTION 15: REGULATORY INFORMATION

US FDA DENTAL DEVICE: CLASS II PRODUCT

EC MEDICAL DEVICE DIRECTIVE: CLASS IIA PRODUCT

SECTION 16: OTHER INFORMATION

SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE PRODUCT ITSELF. THE INFORMATION FROM THIS SDS WAS OBTAINED FROM SOURCES OTHER THAN DIRECT TEST DATA ON THE PRODUCT ITSELF. THE INFORMATION IN THIS SDS WAS OBTAINED FROM SOURCES THAT WE BELIEVE ARE RELIABLE. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. THE CONDITIONS OR METHOD OF HANDLING, STORAGE, USE AND DISPOSAL OF THE PRODUCT ARE BEYOND OUR CONTROL AND MAYBE BEYOND OUR KNOWLEDGE. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF, OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. IF THE PRODCUT IS USED AS A COMPONENT IN ANOTHER PRODUCT OR USED IN A WAY OTHER THAN RECOMMENDED BY THE COMPANY, THIS SDS INFORMATION MAY NOT BE APPLICABLE.

SDS APPROVED BY: HABIB LAFIR, REGULATORY AFFAIRS SPECIALIST