

SAFETY DATA SHEETS

This SDS packet was issued with item:

071096023

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

071096932

SECTION 1: IDENTIFICATION OF PRODUCT

FORMULA: MIXTURE OF DILUTED HYDROFLUORIC ACID AND VISCOSITY BUILDERS.

SYNONYM OR CROSS REFERENCE: ETCH-IT 5% PORCELAIN ETCHING GEL OFFICE STRENGTH



AMERICAN DENTAL SUPPLY, INC.

1075 N. Gilmore Street
Allentown, PA 18109-3210
www.americandentalsupply.net
(800) 558-5925**MATERIAL
SAFETY
DATA****NFPA RATINGS**HEALTH HAZARD: 2
FIRE & EXPLOSION: 0
REACTIVITY: 0
PROTECTION: B**SECTION 2: HAZARDOUS INGREDIENTS**

MATERIAL: HYDROFLUORIC ACIDS 5%

NATURE OF HAZARD: IRRITANT. CAN CAUSE BURNS TO SKIN OR EYES ON PROLONGED CONTACT WHICH MAY NOT BE IMMEDIATELY APPARENT.

SECTION 3: PHYSICAL DATAMELTING POINT: °F: N/A
BOILING POINT: °F: APPROX. 110 C.
VAPOR PRESSURE: (mm Hg): N/A
SPECIFIC GRAVITY: (H₂O=1): APPROX. 1.1 @ 25 C
VAPOR DENSITY: (AIR =1): GREATER THAN 1
WATER SOLUBILITY: GEL DISPERSES
PH OF SOLUTION: LESS THAN 3
PERCENT VOLATILE: N/A
EVAPORATION RATE: (BuAc =1): N/A
APPEARANCE: PINK, TRANSLUCENT, STIFF GEL.**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**FLASH POINT (method used): NON-FLAMMABLE
FLAMMABLE LIMITS: N/A

FIRE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES

UNUSUAL FIRE AND EXPLOSION HAZARD: CORROSIVE FUMES OF HYDROGEN FLUORIDE WILL BE LIBERATED IN A FIRE.

SECTION 5: HEALTH HAZARD

THRESHOLD LIMIT VALUE: NONE ESTABLISHED FOR THIS MIXTURE.

HEALTH HAZARDS: Effects of overexposure to product.

Skin: CAN CAUSE IRRITATION OR BURNS WHICH MAY NOT BE IMMEDIATELY APPARENT.

Eyes: DIRECT CONTACT CAN CAUSE SEVERE EYE BURNS.

Inhalation: FUMES IN AREA OF POOR VENTILATION CAN BE IRRITATING TO RESPIRATORY TRACT AND MUCOSA.

Ingestion: CAN CAUSE IRRITATION OR BURNS TO DIGESTIVE TRACT MUCOSA. INGESTION OF LARGE QUANTITIES CAN BE FATAL IF NOT TREATED PROMPTLY.

FIRST AID PROCEDURES:

Skin: TREAT CONTACT RIGHT AWAY. WASH WITH SOLUTION OF NEUTRALIZER AND FLUSH WELL WITH WATER. IF CONTACT WAS PROLONGED, THEN IMMERSE BURNED PART IN ICE COLD SATURATED MAGNESIUM SULFATE SOLUTION OR ICED BENZALKONIUM CHLORIDE SOLUTION AND CONTACT PHYSICIAN.

Eyes: TREAT CONTACT IMMEDIATELY. WASH WELL WITH LARGE AMOUNTS OF COOL WATER FOR 15 MINUTES INCLUDING INNER SURFACE OF EYE LIDS. DO NOT USE CHEMICAL TREATMENT. GET MEDICAL ATTENTION.

Inhalation: IF IRRITATED, REMOVE TO FRESH AIR.

Ingestion: DO NOT INDUCE VOMITING. GIVE MILK, WATER, MILK OF MAGNESIA. CONTACT PHYSICIAN IMMEDIATELY.

CARCINOGENICITY: NO INGREDIENT IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

SECTION 6: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): METALS, ALKALI SALTS, GLASS

HAZARDOUS DECOMPOSITION PRODUCTS: WHEN HEATED WILL LIBERATE HYDROGEN FLUORIDE VAPOR.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 7: SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SPILL IS UNLIKELY DUE TO PACKAGE SIZE AND GEL FORM. HOWEVER, IF IT OCCURS, NEUTRALIZE THE GEL WITH THE ENCLOSED DIP-IT NEUTRALIZER OR SLAKED LIME MIXTURE. USE PERSONAL PROTECTIVE EQUIPMENT TO AVOID CONTACT.

WASTE DISPOSAL METHOD:

SPONGE MIXTURE UP AND FLUSH RESIDUES DOWN SINK DRAIN WITH EXCESS OF WATER, IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS.

SECTION 8: PROTECTION INFORMATION

VENTILATION: MECHANICAL IS ACCEPTABLE

SKIN: NITRILE OR PVC GLOVES. KEEP NEUTRALIZER HANDY.

EYES: SAFETY GLASSES OR SPLASH GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE REQUIRED IN NORMAL USE.

OTHER PROTECTIVE EQUIPMENT: EYE-WASH STATION. KEEP ANTIDOTES AVAILABLE.

SECTION 9: HANDLING AND STORAGE (lab quantities)

KEEP CONTAINERS WELL CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA. FOR LABORATORY OR OFFICE USE ONLY. KEEP OUT OF REACH OF CHILDREN. AVOID HEAT AND DIRECT SUNLIGHT. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

SECTION 10: MISCELLANEOUS INFORMATION

NO SHIPPING RESTRICTION, DUE TO SMALL QUANTITY AND NATURE OF PACKAGING.

EMERGENCY RESPONSE: INFOTRAC: 1-800-535-5053

SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)

Revision Date: 3/1/2013

Information Furnished By: L. D. Hochhauser
Product Development Mgr.

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SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME: **ETCH-IT 5% PORCELAIN ETCHING GEL OFFICE STRENGTH**

APPLICATION: MIXTURE OF DILUTED HYDROFLUORIC ACID AND VISCOSITY BUILDERS FOR ETCHING OF PRESSED DENTAL CERAMICS.

EMERGENCY CONTACT: **INFOTRAC: 1-352-323-3500, TOLL-FREE 1-800-535-5053**

SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

WARNING: IRRITANT. CAN CAUSE BURNS TO SKIN OR EYES ON CONTACT WHICH MAY NOT BE IMMEDIATELY APPARENT.

NOTE: PRODUCT IS A 0.25 OZ. BOTTLE OF 5% HYDROFLUORIC ACID GEL AND PRESENTS CONSIDERABLY LESS RISK IN NORMAL USE THAN INDUSTRIAL QUANTITIES OF STRONGER ACIDS.



SECTION 2A: PHYSICAL HAZARDS

N/A

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: NONE ESTABLISHED FOR THIS MIXTURE.

SKIN: H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. CATEGORY 1A, 1B, 1C

EYES: H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE. CATEGORY 1A, 1B, 1C

INHALATION: H332: HARMFUL IF INHALED. CATEGORY 4:

INGESTION: H302: HARMFUL IF SWALLOWED. CATEGORY 4

CARCINOGENICITY: NO INGREDIENT IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

SECTION 3: COMPOSITION / INGREDIENTS

MIXTURE: ☒ Yes ☐ No

HYDROFLUORIC ACIDS 5%

NOTE: HAZARD IS LIMITED BY PACKAGE SIZE OF 0.5 OZ, MAXIMUM.

FORMULA IS PROPRIETARY.

SECTION 4: FIRST AID MEASURES

SKIN: **P320: SPECIFIC TREATMENT IS URGENT.** WASH WITH SOLUTION OF NEUTRALIZER AND FLUSH WELL WITH WATER. IF CONTACT WAS PROLONGED, THEN IMMERSE BURNED PART IN ICE COLD SATURATED MAGNESIUM SULFATE SOLUTION OR ICED BENZALKONIUM CHLORIDE SOLUTION AND CONTACT PHYSICIAN.

EYES: **P320: SPECIFIC TREATMENT IS URGENT.** P305+351+338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES WHILE RAISING UPPER AND LOWER LIDS. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO. CONTINUE RINSING. P310: IMMEDIATELY CALL A POISON CENTER/PHYSICIAN.

INHALATION: P304+340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. P342+311: IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER OR DOCTOR/PHYSICIAN.

INGESTION: P301+310: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. DO NOT INDUCE VOMITING. GIVE MILK, WATER, MILK OF MAGNESIA.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: NON-FLAMMABLE

FLAMMABLE LIMITS: N/A

FIRE EXTINGUISHING MEDIA: P370+378: IN CASE OF FIRE: USE THE FOLLOWING FOR EXTINCTION ANY MEANS SUITABLE FOR ADJACENT COMBUSTIBLE MATERIALS.

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES. FOR INDUSTRIAL QUANTITIES, USE APPROVED RESPIRATOR WITH CANISTERS FOR ACID GASSES AND IMPERVIOUS PROTECTIVE EQUIPMENT.

UNUSUAL FIRE AND EXPLOSION HAZARD: CORROSIVE FUMES OF HYDROGEN FLUORIDE WILL BE LIBERATED IN A FIRE.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: N/A. UNLIKELY FOR LAB QUANTITIES.

PROCEDURES: SPILL IS UNLIKELY DUE TO PACKAGE SIZE AND GEL FORM. HOWEVER, IF IT OCCURS, NEUTRALIZE THE GEL WITH DIP-IT NEUTRALIZER OR SLAKED LIME MIXTURE. USE PERSONAL PROTECTIVE EQUIPMENT TO AVOID CONTACT.

SECTION 7: HANDLING AND STORAGE (LAB QUANTITIES)

P102: KEEP OUT OF REACH OF CHILDREN. P402+404: STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER. P403+235+410: STORE IN A WELL VENTILATED PLACE. KEEP COOL. PROTECT FROM SUNLIGHT. FOR LABORATORY OR OFFICE USE ONLY. DO NOT MIX WITH OTHER MATERIALS UNLESS DIRECTED TO DO SO. NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)

VENTILATION: MECHANICAL IS ACCEPTABLE

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. NITRILE OR PVC GLOVES. KEEP NEUTRALIZER HANDY.

EYES: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. SAFETY GLASSES OR GOGGLES. DO NOT WEAR CONTACT LENSES WHEN HANDLING CHEMICALS.

RESPIRATORY: NONE REQUIRED IN NORMAL USE.

OTHER: EYE WASH STATION.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: PINK, TRANSLUCENT, STIFF GEL.

PH OF SOLUTION: LESS THAN 3

MELTING POINT: °F: N/A

BOILING POINT: °F: APPROX. 110 C.

SPECIFIC GRAVITY: (H₂O=1): APPROX. 1.1 @ 25 C

EVAPORATION RATE: (BuAC =1): N/A

VAPOR DENSITY: (AIR =1): GREATER THAN 1

PERCENT VOLATILE: N/A

VAPOR PRESSURE: (mm Hg): N/A

WATER SOLUBILITY: GEL DISPERSES IN WATER.

SECTION 10: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): METALS, ALKALI SALTS, SILICA GLASS.

HAZARDOUS DECOMPOSITION PRODUCTS: WHEN HEATED WILL LIBERATE HYDROGEN FLUORIDE VAPOR.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

REACTIVITY WITH WATER: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: CAN CAUSE DELAYED IRRITATION OR BURNS WHICH MAY NOT BE IMMEDIATELY APPARENT.

EYES: DIRECT CONTACT CAN CAUSE SEVERE EYE BURNS.

INHALATION: FUMES IN AREA OF POOR VENTILATION CAN BE IRRITATING TO RESPIRATORY TRACT AND MUCOSA AND CAN EXACERBATE EXISTING PULMONARY CONDITIONS AS ASTHMA OR COPD.

INGESTION: CAN CAUSE IRRITATION OR BURNS TO DIGESTIVE TRACT MUCOSA. INGESTION OF LARGE QUANTITIES CAN BE FATAL IF NOT TREATED PROMPTLY.

CHRONIC EXPOSURE: N/A
SENSITIZER: NO HUMAN DATA.
CARCINOGENICITY: NO INGREDIENT IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.
TERATOGENICITY: N/A
EMBRYOTOXICITY: N/A
MUTAGENICITY: N/A
PRE-EXISTING CONDITIONS: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXITY: LAB QUANTITIES ARE NOT EXPECTED TO BE SIGNIFICANT.

DEGRADABILITY: EXPECTED TO BE BIODEGRADABLE.

BIOACCUMULATION: NOT EXPECTED TO BIOACCUMULATE.

MOBILITY IN SOIL: EXPECTED TO BE HIGH. COMPONENTS ARE WATER SOLUBLE.

SECTION 13: DISPOSAL INFORMATION

SPONGE MIXTURE UP AND FLUSH RESIDUES DOWN SINK DRAIN WITH EXCESS OF WATER, IN ACCORDANCE WITH ANY APPLICABLE STATE OR LOCAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: N/A
SHIPPING NAME: N/A
CLASS: N/A
PACKING GROUP: N/A
MARINE POLLUTANT: N/A
WARNING SYMBOL: N/A
OTHER: THE MATERIAL, IN LAB QUANTITIES, IS NOT REGULATED AS A HAZARD IN TRANSPORTATION BY THE US DOT.

SECTION 15: REGULATORY INFORMATION

LABELING: IRRITANT, CORROSIVE, PICTOGRAMS.
NFPA RATINGS: HEALTH HAZARD: 2 FIRE & EXPLOSION: 0 REACTIVITY: 0 SPECIAL PROTECTION: B
NATIONAL REGULATIONS:
TSCA: ALL COMPONENTS ARE ON THE TSCA INVENTORY LIST.

SARA: SARA SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: HYDROFLUORIC ACID.

SARA SECTION 313: N/A

INAPPLICABLE: NO COMPONENTS ARE SUBJECT TO TSCA SNUR LISTING.

FOREIGN REGULATIONS:

ALL COMPONENTS ARE ON THE EU EINECS INVENTORY LIST AND THE CANADIAN DSL.

SECTION 16: OTHER INFORMATION

NO SHIPPING RESTRICTION, DUE TO SMALL QUANTITY AND NATURE OF PACKAGING.

SALES INFORMATION: 1-800-558-5925 (8 AM TO 6 PM EST, MONDAY TO FRIDAY)

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Revision Date: 8/25/2017 Information Furnished By: L. D. Hochhauser
Product Development Mgr.

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