

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

071099894

**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).**

071096882 071096924

**SAFETY DATA SHEET**

**SECTION 1: IDENTIFICATION OF PRODUCT**

PRODUCT NAME: **ETCH - IT 5%. ETCHING GEL FOR PRESSABLE PORCELAIN**

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: PALE GREEN, TRANSLUCENT, STIFF GEL.

PH OF SOLUTION: LESS THAN 3

MELTING POINT: °F: N/A

BOILING POINT: °F: APPROX. 110 C.

SPECIFIC GRAVITY: (H<sub>2</sub>O=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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Information Furnished By:

L. D. Hochhauser  
Product Development Mgr.

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warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use or from improper use or handling of the product. "N/A" indicates that at the time this SDS was prepared, this information may not have been available or is not applicable. As more information becomes available, the SDS will be updated.

**SAFETY DATA SHEET**

**SECTION 1: IDENTIFICATION OF PRODUCT**

PRODUCT NAME: **DIP IT**

APPLICATION: BUFFERED ALKALINE POWDER MIXTURE FOR NEUTRALIZING ALL COMMON LABORATORY ACIDS INCLUDING HYDROFLUORIC ACID, WITH ADDED COLOR INDICATOR.

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

**SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)**

WARNING: IRRITANT TO SKIN ON PROLONGED CONTACT. IRRITANT TO EYES ON DIRECT CONTACT.



SECTION 2A: PHYSICAL HAZARDS

N/A

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: 10-15 MG/CuM AS NUISANCE DUST.

SKIN: H315: CAUSES SKIN IRRITATION

EYES: H319: CAUSES SERIOUS EYE IRRITATION

INHALATION: H335: MAY CAUSE RESPIRATORY IRRITATION IF INHALED.

INGESTION: H303: MAY BE HARMFUL IF SWALLOWED

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

**SECTION 3: COMPOSITION / INGREDIENTS**

MIXTURE: ☒ Yes ☐ No

ALKALINE MIXTURE OF INORGANIC SALTS, PH COLOR INDICATOR. DOES NOT CONTAIN PHOSPHATES OR SILICATES. FORMULA IS PROPRIETARY.

**SECTION 4: FIRST AID MEASURES**

SKIN: P302+352: IF ON SKIN: WASH WELL WITH SOAP AND WATER  
P332+313: IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

EYES: P305+351+338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING. P337+313: IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION

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+330+331: IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER TO DRINK. P301+312: IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL.

## **SECTION 5: FIREFIGHTING MEASURES**

FLASH POINT: NON FLAMMABLE.

FLAMMABLE LIMITS: NONE.

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

SPECIAL FIRE FIGHTING PROCEDURES: NONE.

UNUSUAL FIRE AND EXPLOSION HAZARD: AVOID STIRRING UP DUST.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

PRECAUTIONS: N/A

PROCEDURES: CAREFULLY SWEEP UP MATERIAL ON PAPER AND PLACE IN SUITABLE CONTAINER. AVOID DUSTING. SPILL AREA MAY BE WASHED DOWN WITH WATER. WEAR PROTECTIVE GLASSES AND GLOVES 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 (GENERAL) IS ACCEPTABLE.

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. NITRILE OR RUBBER IMPERMEABLE GLOVES.

EYES: P305+351+338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES IF PRESENT AND EASY TO DO – CONTINUE RINSING. P337+313: IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION

RESPIRATORY: NONE NEEDED IN NORMAL USE.

OTHER: EYE WASH STATION.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: LIGHT BLUE, FREE FLOWING POWDER OR GRANULAR MATERIAL.

PH OF SOLUTION: APPROX. 11

MELTING POINT: N.A.

BOILING POINT: N.A.

SPECIFIC GRAVITY: (Water = 1) 0.7

EVAPORATION RATE: N.A.

VAPOR DENSITY: N.A.

PERCENT VOLATILE: 0%.

VAPOR PRESSURE: N.A.

WATER SOLUBILITY: SOLUBLE UP TO APPROXIMATELY 50%.

## **SECTION 10: REACTIVITY DATA**

STABILITY: STABLE.

CONDITIONS TO AVOID: DAMPNESS.

INCOMPATIBILITY (MATERIALS TO AVOID): ALKALI METALS, STRONG ACIDS WILL LIBERATE CARBON DIOXIDE.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: N/A

## **SECTION 11: TOXICOLOGICAL INFORMATION**

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE DRYING OR CHAPPING.

EYES: DIRECT CONTACT WILL CAUSE IRRITATION AND REDNESS.

INHALATION: POWDER CAN BE IRRITATING TO RESPIRATORY SYSTEM.

INGESTION: HARMFUL IF SWALLOWED. CAUSES GASTROINTESTINAL IRRITATION.

CHRONIC EXPOSURE: N/A

SENSITIZER: N/A

CARCINOGENICITY: NO INGREDIENTS 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 ECOLOGICALLY SIGNIFICANT.

DEGRADABILITY: EXPECTED TO BE BIODEGRADABLE

BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE.

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

#### **SECTION 13: DISPOSAL INFORMATION**

DISPOSE IN PAPER WITH DRY REFUSE OR FLUSH DOWN DRAIN WITH EXCESS OF WATER IN ACCORDANCE WITH ANY APPLICABLE 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: NOT REGULATED AS A HAZARD IN TRANSPORTATION BY US DOT.

#### **SECTION 15: REGULATORY INFORMATION**

LABELING: IRRITANT PICTOGRAM.

NFPA RATINGS: HEALTH HAZARD: 1 FIRE & EXPLOSION: 0 REACTIVITY: 0 SPECIAL PROTECTION: A

NATIONAL REGULATIONS:

TSCA: ALL COMPONENTS ARE ON THE TSCA INVENTORY LIST.

SARA: SARA SECTION 302: EXTREMELY HAZARDOUS SUBSTANCES: NONE LISTED.

SARA SECTION 313: N/A

INAPPLICABLE: NO COMPONENTS OF THIS MIXTURE ARE ON THE CALIFORNIA PROPOSITION 65 CHEMICALS LIST.

TSCA SNUR RULE: NO COMPONENTS ARE SUBJECT TO SNUR RULE REQUIREMENTS.

FOREIGN REGULATIONS:

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

#### **SECTION 16: OTHER INFORMATION**

**SALES INFORMATION: 1-800-558-5925, (8 AM TO 5 PM EST, MONDAY TO FRIDAY**

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

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