

## **SAFETY DATA SHEETS**

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

071097716

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

071059344

**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).**

071097658 071097666 071097674 071097690 071097708

**SECTION 1: IDENTIFICATION OF PRODUCT**

FORMULA: PROPRIETARY AQUEOUS MIXTURE OF FILM FORMING AND SEPARATING AGENTS FOR ACRYLIC PROCESSING.

SYNONYM OR CROSS REFERENCE: LIQUI-FOIL (TIN FOIL SUBSTITUTE)

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: 1  
FIRE & EXPLOSION: 0  
REACTIVITY: 0  
PROTECTION: A**SECTION 2: HAZARDOUS INGREDIENTS**

MATERIAL: PROPRIETARY CO-SOLVENT, LESS THAN 10%.

NATURE OF HAZARD: MILD IRRITANT.

**SECTION 3: PHYSICAL DATA**MELTING POINT: °F: 32  
BOILING POINT: °F: APPROX. 212  
VAPOR PRESSURE: (mm Hg): N/A  
SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 1.1 at 25°C  
VAPOR DENSITY: (AIR =1): N/A  
WATER SOLUBILITY: COMPLETE  
PH OF SOLUTION: 8 - 9  
PERCENT VOLATILE: GREATER THAN 80%  
EVAPORATION RATE: (BuAc =1): AS WATER  
APPEARANCE: CLEAR TO SLIGHTLY HAZY, VISCOUS, IVORY OR PINK COLORED LIQUID.**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**FLASH POINT (method used): NOT FLAMMABLE  
FLAMMABLE LIMITS: MATERIAL IS NON-FLAMMABLE.

FIRE EXTINGUISHING MEDIA: ANY MAY BE USED.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE. THERMAL DECOMPOSITION MAY LIBERATE IRRITATING FUMES. THE PRODUCT IS SLIPPERY IF SPILLED ON THE FLOOR.

**SECTION 5: HEALTH HAZARD**

THRESHOLD LIMIT VALUE: NONE ESTABLISHED FOR THIS MIXTURE. 50 PPM ON AEROSOL OF MINOR INGREDIENT.

HEALTH HAZARDS: Effects of overexposure to product.

Skin: PROLONGED CONTACT MAY CAUSE IRRITATION.

Eyes: DIRECT CONTACT MAY CAUSE IRRITATION.

Inhalation: MAY CAUSE IRRITATION OF RESPIRATORY SYSTEM, BUT IS UNLIKELY IN NORMAL LAB USE.

Ingestion: MAY CAUSE GASTROINTESTINAL IRRITATION, AND CNS DEPRESSION (DROWSINESS, DIZZINESS, FATIGUE AND VISUAL DISTURBANCES).

FIRST AID PROCEDURES:

Skin: WASH WELL WITH SOAP AND WATER. IF IRRITATION DEVELOPS CONTACT A PHYSICIAN.

Eyes: FLUSH WITH COOL WATER FOR 15 MIN. IF IRRITATION DEVELOPS OR PERSISTS CONTACT A PHYSICIAN.

Inhalation: IF AFFECTED, REMOVE TO FRESH AIR. IF IRRITATION PERSISTS CONTACT A PHYSICIAN.

Ingestion: GIVE WATER TO DRINK AND INDUCE VOMITING.

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

**SECTION 6: REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS AND ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: PRODUCTS OF COMBUSTION INCLUDE SMOKE, OXIDES OF CARBON.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**SECTION 7: SPILL AND DISPOSAL PROCEDURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
MATERIAL MAY BE WIPED UP WITH CLOTH OR PAPER TOWELING AND DISCARDED IN TRASH. RESIDUES MAY BE FLUSHED DOWN LABORATORY DRAIN WITH WATER.WASTE DISPOSAL METHOD:  
RAGS IN TRASH, OR LABORATORY QUANTITIES MAY BE FLUSHED DOWN DRAIN WITH WATER.**SECTION 8: PROTECTION INFORMATION**

VENTILATION: MECHANICAL (GENERAL) ACCEPTABLE.

SKIN: NOT USUALLY REQUIRED.

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

RESPIRATORY: NONE NEEDED IN NORMAL USE.

OTHER PROTECTIVE EQUIPMENT: EYE-WASH STATION.

**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**

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.

The above information is believed to be accurate and represents the best information currently available to us. However, WE MAKE NO 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. Users should make their own investigations to determine the suitability of the information for their particular purposes.

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF PRODUCT

PRODUCT NAME: **PATTERSON TIN FOIL SUBSTITUTE (LIQUID FOIL)**  
PATTERSON PRODUCT CODES: 070935502 (GALLON)

APPLICATION: AQUEOUS MIXTURE OF FILM FORMING AND SEPARATING AGENTS (TRADE SECRET) FOR ACRYLIC DENTURE PROCESSING.

EMERGENCY CONTACT: **24 HOUR: 800-424-9300**

### SECTION 2: HAZARDS IDENTIFICATION (CLASSIFICATION)

WARNING: IRRITANT.



#### SECTION 2A: PHYSICAL HAZARDS

N/A

#### SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: **SEE SECTION 11.**

SKIN: H316: CAUSES MILD SKIN IRRITATION. CATEGORY 3.

EYES: H320: CAUSES EYE IRRITATION. CATEGORY 2B

INHALATION: H335: MAY CAUSE RESPIRATORY IRRITATION. CATEGORY 3.

INGESTION: H303: MAY BE HARMFUL IF SWALLOWED. (MAY CAUSE GASTROINTESTINAL IRRITATION) CATEGORY 5.

H371: MAY CAUSE DAMAGE TO CNS. CATEGORY 2.

H336: MAY CAUSE DROWSINESS OR DIZZINESS, CATEGORY 3.

CARCINOGENICITY: **SEE SECTION 11.** NO INGREDIENT IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

### SECTION 3: COMPOSITION / INGREDIENTS

MIXTURE:  Yes  No

PROPRIETARY CO-SOLVENT, LESS THAN 10%.

PROPRIETARY FILM-FORMING POLYMER, LESS THAN 10%

PROPRIETARY SURFACTANT: LESS THAN 10%

### SECTION 4: FIRST AID MEASURES

SKIN: P302 + P352 + P332 + P313: IF ON SKIN. WASH WITH PLENTY OF SOAP AND WATER. IF SKIN IRRITATION OCCURS. GET MEDICAL ADVICE/ATTENTION.

EYES: P305 + P351 + P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P337 + P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

INHALATION: P304 + P340: IF INHALED. REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.

P342 + P311: IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER OR PHYSICIAN.

INGESTION: P301+P330 + P312: IF SWALLOWED: RINSE MOUTH. CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL

### SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: NOT FLAMMABLE

FLAMMABLE LIMITS: N/A

FIRE EXTINGUISHING MEDIA: P370 + P378: IN CASE OF FIRE USE **ANY MEANS** FOR EXTINCTION SUITABLE FOR ADJACENT MATERIALS.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE. THERMAL DECOMPOSITION MAY LIBERATE IRRITATING FUMES. CONTAINER MAY RUPTURE FROM EXTREME HEAT. THE PRODUCT IS SLIPPERY IF SPILLED ON THE FLOOR.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

PRECAUTIONS: LIQUID MAY BE SLIPPERY IF ON FLOOR.

PROCEDURES: P501: DISPOSAL. MATERIAL MAY BE WIPED UP WITH CLOTH OR PAPER TOWELING AND DISCARDED IN TRASH. RESIDUES MAY BE FLUSHED DOWN LABORATORY DRAIN WITH WATER.

#### 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) ACCEPTABLE.

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED IF SENSITIVITY EXISTS USE NITRILE GLOVES.

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

RESPIRATORY: NONE NEEDED IN NORMAL USE.

OTHER: P202 + P102 + P103: DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. KEEP OUT OF REACH OF CHILDREN. READ LABEL BEFORE USE.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR TO SLIGHTLY HAZY, SLIGHTLY VISCOUS, IVORY OR PINK COLORED LIQUID.

PH OF SOLUTION: 8 - 9

MELTING POINT: °F: 32

BOILING POINT: °F: 215

SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 1.1 at 25°C

EVAPORATION RATE: (BuAC =1): AS WATER

VAPOR DENSITY: (AIR =1): N/A

PERCENT VOLATILE: GREATER THAN 80%

VAPOR PRESSURE: (mm Hg): N/A

WATER SOLUBILITY: COMPLETE

#### SECTION 10: REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: EXTREME HEAT

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS AND ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: PRODUCTS OF COMBUSTION INCLUDE SMOKE, OXIDES OF CARBON.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: N/A

#### SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: CAUSES MILD SKIN IRRITATION

EYES: CAUSES EYE IRRITATION.

INHALATION: MAY CAUSE RESPIRATORY IRRITATION.

INGESTION: MAY BE HARMFUL IF SWALLOWED. (MAY CAUSE GASTROINTESTINAL IRRITATION)

MAY CAUSE DAMAGE TO CNS.

MAY CAUSE DROWSINESS OR DIZZINESS,

CHRONIC EXPOSURE: **THRESHOLD LIMIT VALUE:** NONE ESTABLISHED FOR THIS MIXTURE BY OSHA OR ACGIH. 50 PPM ON AEROSOL OF MINOR INGREDIENT.

SENSITIZER: NO EFFECTS REPORTED.

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**

ECOTOXICITY: LAB QUANTITIES HAVE NO REPORTED HISTORY OF ECOTOXICITY.

DEGRADABILITY: HIGH LEVEL OF BIODEGRADABILITY IS EXPECTED.

BIOACCUMULATION: NO REPORTED HISTORY

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

**SECTION 13: DISPOSAL INFORMATION**

P501: SPILLS MAY BE WIPED UP WITH RAGS. RAGS MAY BE DISCARDED IN TRASH, OR LABORATORY QUANTITIES MAY BE FLUSHED DOWN DRAIN WITH WATER.

**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: MATERIAL IS NOT REGULATED AS HAZARDOUS IN TRANSPORTATION BY US DOT.

**SECTION 15: REGULATORY INFORMATION**

LABELING: IRRITANT PICTOGRAM REQUIRED.

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

NATIONAL REGULATIONS:

TSCA: ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY

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

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**

FOR MORE INFORMATION: CONTACT: [www.pattersoncompanies.com](http://www.pattersoncompanies.com)

PATTERSON COMPANIES, INC.

1031 MENDOTA HEIGHTS ROAD

ST. PAUL, MN 55120

MAIN: 800-328-5536; FAX: 651-686-933

Revision Date: 3/14/2017

Information Furnished By:

L. D. Hochhauser

Product Development Mgr.

The above information is believed to be accurate and represents information currently available to us. Reasonable care has been taken in the preparation of this document to provide for hazard awareness, however, all the properties of this product may not have been completely evaluated. Users should make their own investigations to determine the suitability of the information for their particular purposes. We make no 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

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