

# SAFETY DATA SHEETS

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

071096809

N/A

**American Dental Supply, Inc.****NFPA**

Die Sealer and Die Sealer Thinner

3  
1      0

**SECTION 1 : Chemical Product and Company Identification****MSDS Name:** Die Sealer and Die Sealer Thinner**Manufacturer Name:** American Dental Supply, Inc.**Address:**

1075 N. Gilmore Street  
Allentown, PA 18109-3210

www.americandentalsupply.net

Emergency Response: Infotrac: 1-800-535-5053

**Business Phone:** (800) 558-5925

For information in North America, call: (800) 558-5925

**Hours Of Operation:** 8 AM to 6 PM EST, Monday To Friday**Manufacturer MSDS Revision Date:**

3/1/2012

**Synonyms:**

Cross Reference: DIE SEALER &amp; DIE SEALER THINNER

**NFPA****Health:** 1**Flammability:** 3**Reactivity:** 0**Other:**

FORMULA: MIXTURE OF THERMOPLASTIC RESINS AND SOLVENTS.

**NFPA Ratings:**

Protection: A

**SECTION 2 : Hazardous Ingredients/Identity Information**

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MATERIAL: MODERATELY VOLATILE BLEND OF RESIN SOLVENTS INCLUDING KETONES, ALKYL ESTERS, AND ALCOHOLS, ACRYLIC COPOLYMERS (PROPRIETARY)

NATURE OF HAZARD: FLAMMABLE LIQUID.  
LESS THAN 1 LITER SHIPS AS ORM-D



### **SECTION 3 : Physical And Chemical Characteristics**

**Physical State/Appearance:**

SEALER IS VISCOUS CLEAR, LIQUID. THINNER IS THIN, CLEAR AND LIQUID

**Color:**

COLORLESS

**Odor:**

SAME CHARACTERISTIC ODOR AS THE DIE SEALER.

**pH:**

PH OF SOLUTION: Not Applicable

**Vapor Pressure:**

34 mm Hg at 68 deg F

**Vapor Density:**

(Air = 1): > 1

**Boiling Point:**

165-340 deg F range

**Melting Point:**

Deg F: Not Applicable

**Solubility:**

WATER: PARTIAL

**Specific Gravity:**

(H<sub>2</sub>O=1): 0.88

**Evaporation Point:**

(n-BuAC = 1): > 1

**Percent Volatile:**

APPROX. 85%

**FlashPoint:**

25 deg F

**Lower Flammable Explosive Limit:**

2%



## SECTION 4 : Fire And Explosion Hazards

### Flash Point:

25 deg F

### Flash Point Method:

TCC

### Lower Flammable or Explosive Limit: 2%

### Extinguishing Media:

Carbon dioxide or dry chemical

### Fire Fighting Instructions:

NONE FOR LAB QUANTITIES.

### NFPA

Health: 1

Flammability: 3

Reactivity: 0

Other:

### Unusual Fire Hazards:

CLOSED BOTTLES MAY RUPTURE IF EXPOSED TO EXTREME HEAT.



## SECTION 5 : Health Hazards

### Applies to All Ingredients:

#### Potential Health Effects:

##### Eye Contact:

CONTACT WITH VAPOR OR LIQUID WILL CAUSE IRRITATION, REDNESS AND TEARING.

##### Skin Contact:

PROLONGED CONTACT MAY CAUSE MILD IRRITATION.

##### Inhalation:

OVEREXPOSURE TO VAPORS IN AREA OF POOR VENTILATION MAY CAUSE DIZZINESS, NAUSEA, HEADACHE AND IRRITATION TO RESPIRATORY TRACT.

##### Ingestion:

CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, DIZZINESS AND FATIGUE.

### Carcinogenicity:

NO INGREDIENTS IDENTIFIED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC OR OSHA.

THRESHOLD LIMIT VALUE: 130 PPM (EVAPORATED SOLVENTS)



## SECTION 6 : Emergency And First Aid Procedures

### Physical Health Hazard:

HEALTH HAZARDS: Effects of overexposure to product.

### Eye Contact:

FLUSH WELL WITH COOL WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

### Skin Contact:

WASH WELL WITH SOAP AND WATER.

### Inhalation:

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

### Ingestion:

DO NOT INDUCE VOMITING. GIVE WATER TO DRINK. GET MEDICAL ATTENTION.



## SECTION 7 : Reactivity Data

### Chemical Stability:

STABLE

### Conditions to Avoid:

FLAMES, SPARKS AND HEAT

### Incompatibilities with Other Materials:

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

### Hazardous Polymerization:

WILL NOT OCCUR.

### Hazardous Decomposition Products:

NO UNUSUAL DECOMPOSITION PRODUCTS. COMBUSTION WILL FORM CARBON AND NITROGEN OXIDES.



## SECTION 8 : Precautions For Safe Handling

### Spill Cleanup Measures:

SHUT NEARBY SOURCES OF HEAT OR FLAME. VENTILATE THE AREA. WIPE UP WITH ABSORBANT CLOTHS OR TOWELING. DIE SEALER MAY BE CLEANED UP WITH THINNER OR ACETONE.

### Handling:

(Lab quantities): NORMAL PRECAUTIONS OF LABORATORY GOOD HOUSEKEEPING PRACTICES SHOULD BE FOLLOWED.

### 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.

**Waste Disposal:**

INCINERATION IS BEST, DISCARD IN AN APPROVED METAL WASTE CAN.



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## **SECTION 9 : Control Measures**

**Ventilation System:**

MECHANICAL (GENERAL) ACCEPTABLE IF SUFFICIENT TO KEEP LEVELS BELOW TLV.

**Local Exhaust:**

LOCAL EXHAUST PREFERRED.

**Skin Protection Description:**

RUBBER OR PLASTIC GLOVES IF CHAPPING OCCURS.

**Eye/Face Protection:**

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

**Respiratory Protection:**

NONE REQUIRED IN NORMAL USE.

**Other Protective:**

EYE-WASH STATION.

**Exposure Limits:**

THRESHOLD LIMIT VALUE: 130 PPM (EVAPORATED SOLVENTS)



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## **SECTION 10 : Other Information**

**NFPA:**

Fire Hazard: 3

Health: 1

Reactivity: 0

**Label Text:**

MISCELLANEOUS INFORMATION:  
REGULATIONS RELATED TO STORAGE AND HANDLING OF FLAMMABLE LIQUIDS SHOULD BE FOLLOWED.

**MSDS Revision Date:**

3/1/2012

**MSDS Author:**

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

Emergency Response: Infotrac: 1-800-535-5053  
Sales Information: 1-800-558-5925 (8 AM to 6 PM EST, Monday To Friday)

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**NFPA Ratings:**

Protection: A

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**SAFETY DATA SHEET**

**SECTION 1: IDENTIFICATION OF PRODUCT**

PRODUCT NAME: **DIE SEALER**

APPLICATION: USED FOR PROVIDING A SEALED AND SMOOTH STONE DIE SURFACE.

EMERGENCY CONTACT: **CHEMTREC: USA 1-800-424-9300, ANYWHERE 1-703-527-3887**

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

DANGER: FLAMMABLE LIQUID.

DOT CLASSIFICATION (IF > 1 LITER): PAINT/PAINT RELATED MATERIAL, UN 1263, CLASS 3, PG II.



SECTION 2A: PHYSICAL HAZARDS

H226: FLAMMABLE LIQUID AND VAPOUR

SECTION 2B: HEALTH HAZARDS

THRESHOLD LIMIT VALUE: 130 PPM (CALCULATED AS EVAPORATED SOLVENTS)

SKIN: H316: CATEGORY 3: CAUSES MILD SKIN IRRITATION

EYES: H319: CATEGORY 2A: CAUSES SERIOUS EYE IRRITATION

INHALATION: H332: CATEGORY 4: HARMFUL IF INHALED

INGESTION: H302: CATEGORY 4: HARMFUL IF SWALLOWED

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

**SECTION 3: COMPOSITION / INGREDIENTS**

MIXTURE:  Yes  No

MODERATELY VOLATILE PROPRIETARY BLEND OF RESIN SOLVENTS INCLUDING ALKYL KETONES, ALKYL ESTERS, AROMATICS AND ALCOHOLS.

BLEND OF FILM-FORMING RESINS AND CELLULOSE ESTER. (TRADE SECRET)

**SECTION 4: FIRST AID MEASURES**

SKIN: P302+352: IF ON SKIN: WASH WITH SOAP AND WATER. DIE SPACER MAY ALSO BE REMOVED WITH DIE SPACER THINNER.

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. P301+312: IF SWALLOWED: CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. GIVE WATER TO DRINK.

**SECTION 5: FIREFIGHTING MEASURES**

FLASH POINT: 25°F. (TCC)



FLAMMABLE LIMITS: LEL=2%

FIRE EXTINGUISHING MEDIA: P370+378: IN CASE OF FIRE: USE CARBON DIOXIDE OR DRY CHEMICAL FOR EXTINCTION

SPECIAL FIRE FIGHTING PROCEDURES: NONE FOR LAB QUANTITIES

UNUSUAL FIRE AND EXPLOSION HAZARD: CLOSED BOTTLES MAY RUPTURE IF EXPOSED TO EXTREME HEAT.

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

PRECAUTIONS: N/A

PROCEDURES: SHUT NEARBY SOURCES OF HEAT OR FLAME. VENTILATE THE AREA. WIPE UP WITH ABSORBANT CLOTHS OR TOWELING. DIE SPACER MAY BE CLEANED UP WITH THINNER OR ACETONE.

#### **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 AS WELL AS

PRECAUTIONS RELATED TO FLAMMABLE MATERIALS.

#### **SECTION 8: EXPOSURE CONTROLS (PERSONAL PROTECTION)**

VENTILATION: MECHANICAL (GENERAL) ACCEPTABLE IF SUFFICIENT TO KEEP LEVELS BELOW TLV.

SKIN: P281: USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. RUBBER OR PLASTIC GLOVES IF CHAPPING OCCURS.

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: VISCOUS LIQUID, CLEAR, COLORLESS, CHARACTERISTIC SOLVENT ODOR.

PH OF SOLUTION: N/A

MELTING POINT: °F: N/A

BOILING POINT: °F: 165-340 F. RANGE

SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 0.88

EVAPORATION RATE: (BUAC =1): GREATER THAN 1

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

PERCENT VOLATILE: APPROX. 85%

VAPOR PRESSURE: (MM HG): 34 AT 68°F

WATER SOLUBILITY: PARTIAL

#### **SECTION 10: REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: FLAMES, SPARKS AND HEAT.

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

HAZARDOUS DECOMPOSITION PRODUCTS: NO UNUSUAL DECOMPOSITION PRODUCTS. COMBUSTION WILL FORM CARBON AND NITROGEN OXIDES.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

REACTIVITY WITH WATER: N/A

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

ACUTE EXPOSURE: SIGNS AND SYMPTOMS:

SKIN: PROLONGED CONTACT CAN CAUSE MILD IRRITATION.

EYES: CONTACT WITH VAPOR OR LIQUID WILL CAUSE IRRITATION, REDNESS AND TEARING.

INHALATION: OVEREXPOSURE TO VAPORS IN AREA OF POOR VENTILATION MAY CAUSE DIZZINESS, NAUSEA, HEADACHE (CNS EFFECTS) AND IRRITATION TO RESPIRATORY TRACT. ALLERGIC OR SENSITIVE PERSONS MAY EXPERIENCE ASTHMA-LIKE SYMPTOMS.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, DIZZINESS AND FATIGUE.

CHRONIC EXPOSURE: OVEREXPOSURE TO VAPORS IN AREA OF POOR VENTILATION MAY CAUSE DIZZINESS, NAUSEA, HEADACHE AND IRRITATION TO RESPIRATORY TRACT. CNS EFFECTS.

SENSITIZER: NO HUMAN DATA 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: NOT ESTABLISHED FOR THIS MIXTURE.

DEGRADABILITY: UNKNOWN. EXPECTED TO BE LOW.

BIOACCUMULATION: NOT EXPECTED TO BIO-ACCUMULATE.

MOBILITY IN SOIL: EXPECTED TO BE LOW. VOLATILE COMPONENTS WILL EVAPORATE. RESIDUE IS INSOLUBLE IN WATER.

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

INCINERATION IS BEST, OR DISCARD IN AN APPROVED METAL WASTE CAN. (INDUSTRIAL QUANTITIES).

LAB QUANTITIES CAN BE DISCARDED IN REGULAR TRASH.

#### **SECTION 14: TRANSPORT INFORMATION**

UN NUMBER: PAINT/PAINT RELATED MATERIAL, UN 1263, CLASS 3, PG II.

SHIPPING NAME: PAINT/PAINT RELATED MATERIAL

CLASS: 3

PACKING GROUP: II

MARINE POLLUTANT: N/A

WARNING SYMBOL: NOT FOR LAB QUANTITIES.

OTHER: DOT CLASSIFICATION (**IF > 1 LITER**):  
LESS THAN 1 LITER CAN SHIP AS ORM-D.

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

LABELING: FLAMMABLE, IRRITANT

NFPA RATINGS: HEALTH HAZARD: 1 FIRE & EXPLOSION: 3 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 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**

PACKAGING: DIE SEALER AND PORCELAIN SEPARATOR KIT IS 1 OZ GLASS BOTTLES OF EACH IN SMALL CORRUGATED BOX WITH INNER PACKING.

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Revision Date: 3/11/2016

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

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