

**Material Safety Data Sheet**

**Section I: Chemical Product and Company Identification**

<p><b>Manufacturer's Name :</b> Applied DNA Sciences, Inc.</p> <p><b>Business Address :</b> 50 Health Sciences Drive Stony Brook, New York 11790-3350 United States of America</p> <p><b>Business Phone:</b> 1-631-240-8800</p> <p><b>Emergency Phone:</b> 1-631-240-8800</p> <p><b>Business Fax:</b> 1-631-240-8900</p>	<p><b>Chemical Name &amp; Synonyms:</b> Botanical encrypted taggant in water, acrylate based polymer, isopropanol, ethyl alcohol (denatured) and fluorophore.</p> <p><b>Trade Names &amp; Synonyms:</b> Botanical encrypted taggant in water, acrylate based polymer, isopropanol, ethyl alcohol (denatured) and fluorophore.</p> <p><b>Chemical Family:</b> Acrylate Based Polymer Mixture</p> <p><b>Email:</b> safety@adnas.com</p> <p><b>Products:</b> 527S and 527L</p>
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**Section II: Composition / Information on Ingredients**

Logo or Trademarks associated with this product or product family:



CAS#	Ingredient	% by Wt
64-17-5	Ethanol	30
Proprietary	Acrylate Based Polymer	12
67-63-0	2-Propanol	12
111-77-3	Methyl CARBITOL™	1.6
Proprietary	Fluorophore	1
N/A	Botanical Taggant	1 µg/kg

**Section III: Hazardous Identification**

**Routes of Exposure**

**Eye Contact:** Contact with the product, vapor or mist may cause irritation and redness.

**Inhalation:** Prolonged or repeated contact with the product, vapor or spray mist may cause irritation to the upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

**Skin Contact:** Prolonged or repeated contact with the product, vapor or mist may cause irritation.

**Signs and Symptoms of Overexposure:** Headache, dizziness, nausea, and loss of coordination are indication of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**Section IV: First Aid Measures**

**Eye Contact:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**Ingestion:** Do not induce vomiting. **GET MEDICAL ATTENTION IMMEDIATELY.**

**Inhalation:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**Skin Contact:** Wash affected area thoroughly with soap and water.

**Section V: Fire Fighting Measures**

**Fire:** Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Explosion:** Information not available.

**Fire Extinguishing Media:** Carbon dioxide, Dry Chemical, Foam.

**Special Fire Fighting Measures:** Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

**Section VI: Accidental Release Measures**

Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

**Section VII: Handling and Storage**

**DOL Storage Class II**

**Precautions to be taken in handling and Storage:** Contents are FLAMMABLE. Keep away from heat and open flame. Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to "approved" containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

To minimize the possibility of spontaneous combustion: control the accumulation of overspray; soak wiping rags and waste immediately after use in a water-filled, closed metal container; air dry filters outside, far from any combustible material and separated by bricks or other non-combustible spacers; dispose of all contaminated materials and waste properly. Consult OSHA 29 CFR 1910.107 (b) (5) and NFPA 33, Chapter 8 (8-9) for the proper procedure.

# Material Safety Data Sheet

## Permanent Tactical UV Marker/Spray

Doc No.: 105-012i.04 (Effective: 26-Aug 2014)

### Section VIII: Exposure Controls / Personal Protection

- Airborne Exposure Limits:** Use only with adequate ventilation system. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.
- Ventilation System:** Local exhaust is preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.
- Personal Respirators (NIOSH) Approved:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator by NIOSH/MSHA for dust which may be generated from this product, underlying pain, or the abrasive.
- Skin Protection:** Wear protective gloves which are recommended by glove supplier for protection against materials in Section II.
- Eye Protection:** Wear safety goggles with un-perforated side shields.
- Other Precautions:** Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

### Section IX: Physical Data and Chemical Properties

<b>Appearance:</b>	Off-white free flowing liquid	<b>Boiling Point:</b>	Not Available
<b>Odor:</b>	Alcohol or ether	<b>Melting Point:</b>	Not Available
<b>Product Weight:</b>	7.55 lb/gal 904 g/L	<b>Flash Point:</b>	Not Available
<b>Specific Gravity:</b>	0.98	<b>Vapor Density: (Air=1)</b>	Heavier than air
<b>Evaporation Rate:</b>	Slower than Ether	<b>Physical Form:</b>	Liquid
<b>Solubility in Water:</b>	Not Available	<b>Vapor Pressure (mm in Hg)</b>	Not Available

### Volatile Organic Compounds (VOC Theoretical – As Packaged)

<b>N/A</b>	Less water and Federally Exempt Solvents	<b>Percent Volatiles by Volume @ 21°C (70°F)</b>	42%
<b>N/A</b>	Emitted VOC		

### Section X: Stability and Reactivity

- Stability:** No information available
- Hazardous Decomposition Products:** By Fire: Carbon Dioxide, Carbon Monoxide
- Hazardous Polymerization:** No information available
- Incompatibilities:** No information available
- Conditions to Avoid:** No information available

### Section XI: Toxicological Information

#### CHRONIC HEALTH HAZARDS:

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

### Section XII: Ecological Information

Waste from this product may be hazardous as defined under the Resource, Conservation and Recovery Act (RCRA) 40 CFR 261.

### Section XIII: Disposal Considerations

#### WASTE DISPOSAL METHOD:

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulation regarding pollution.

### Section XIV: Transport Information

<b>US Ground (DOT):</b>	NOT Regulated
<b>Bulk Containers may be Shipped as:</b>	NOT Regulated
<b>Canada (TDG):</b>	NOT Regulated
<b>IMO:</b>	NOT Regulated

### Section XV: Regulatory Information

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

### Section XVI: Additional Information Section

	This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR) and the MSDS contains all of the information required by CPR	
<b>Product Use:</b>	Client specific application	<b>Label Precautions:</b> Keep in tightly closed container
<b>Revision Information:</b>	Updated formatting	

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