



SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Arizona Chemical Company  
P.O. Box 550850  
Jacksonville, FL 32255

24 Hour Emergency Assistance:  
Chemtrec: 800/424-9300  
Other Information: 800/733-1374

Product Name: UNI-TAC® 72  
Chemical Identity: Trade Secret  
Generic Name: Modified Rosin in Mineral Spirits Solution  
Chemical Family: Rosin Based Resins  
CAS Number: Confidential (See Section 15).

SECTION 2 COMPOSITION/INFORMATION OF INGREDIENTS

COMPONENT	CAS NUMBER	WT. %	ACGIH TLV		OSHA PEL	
			TWA	STEL	TWA	STEL
Modified Rosin	Confidential	75	NE	NE	NE	NE
Mineral Spirits	8052-41-3	25	100 ppm	NE	100 ppm	NE

TLV = Threshold Limit Value  
PEL = Permissible Exposure Limit  
TWA = Time-Weighted Average (8 hours)  
STEL = Short Term Exposure Limit (15 minutes)  
NE = Not Established

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Amber liquid with a mineral spirits odor.

1. CAUTION! COMBUSTIBLE LIQUID AND VAPOR.
2. CONTAINS MINERAL SPIRITS WHICH MAY CAUSE SKIN, EYE AND RESPIRATORY TRACT IRRITATION.
3. ASPIRATION HAZARD.
4. KEEP AWAY FROM HEAT, SPARKS, FLAME, STATIC ELECTRICITY OR OTHER IGNITION SOURCES.

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**SECTION 3 HAZARDS IDENTIFICATION CONT'D**  
=====**POTENTIAL HEALTH EFFECTS:**

**EYE:** May cause eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness.

**SKIN:** May cause skin irritation. Prolonged or repeated contact may cause redness, burning and drying and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

**INHALATION:** Inhalation of vapors from the heated product may cause irritation of the nose and throat. Other symptoms include headache, fatigue, nausea, visual impairment. Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

**INGESTION:** Not a probable route of entry into the body. However, ingestion can cause nausea and signs of nervous system depression. Aspiration hazard- This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

**SUBCHRONIC EFFECTS (Target Organ Effects):** Repeated and prolonged overexposure can cause brain and nervous system damage.

**CHRONIC EFFECTS:** See target organ effects above.

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**SECTION 4 FIRST AID MEASURES**  
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**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water. Call a physician if irritation persists.

**SKIN CONTACT:** In case of contact, flush skin with plenty of water. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse.

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**INGESTION:** Emergency care should not be needed. Aspiration hazard - If swallowed, do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Call a physician.

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**SECTION 5 FIRE FIGHTING MEASURES**

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Flash point: 108°F (TCC) (solvent)  
Lower/Upper flammable limits: 0.5%/6.0% (% volume in air) (solvent)  
Autoignition temperature: 445°F (solvent)  
Flammability classification: Combustible liquid Class II  
Flame propagation rate: Not applicable  
Extinguishing media: Water fog, foam, carbon dioxide or dry chemical.  
Special precautions: Toxic gases such as carbon monoxide may be released during fire. Use positive-pressure, self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion  
Hazards: Keep away from all ignition sources.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Large spills: Eliminate all ignition sources. Stay upwind and away from spill. Use absorbent material (sand, etc.) to contain spill.

Small spills: Mix with absorbent material and dispose.

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**SECTION 7 HANDLING AND STORAGE**

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Keep container closed when not in use. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Use and store this material in well ventilated area away from heat and all sources of ignition. Ground all transfer equipment. "Empty" containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, or grind on any container.

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**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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EYES: Use chemical safety goggles. An eye wash is recommended.

SKIN: Impervious (for example, nitrile) gloves are recommended to prevent body contact. A safety shower is recommended.

INHALATION: If exposure exceeds the allowable exposure limits, a NIOSH approved respirator should be used (See 29 CFR 1910.134). For high or unknown concentrations, a supplied air respirator should be used. For normal handling, an appropriate air purifying respirator should provide adequate protection. The recommended type is for organic vapors.

ENGINEERING CONTROLS: Use sufficient ventilation to keep airborne concentrations below allowable limits. Eliminate all ignition sources.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**  
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Appearance/state: Amber liquid  
                   Odor: Mineral spirits  
                   Ph: Not applicable  
 Vapor Pressure: 2.0 mm Hg at 20°C (68°F) (solvent)  
 Vapor density: 4.8 (Air=1) (solvent)  
 Boiling point: 159-195°C (solvent)  
 Melting point: Not applicable  
 Solubility in water: <0.1% at 25°C (77°F)  
                   Specific gravity: 0.99 at 25°C/25°C (water=1.00)  
                   Evaporation rate: 0.13 (n-BuAc=1) (solvent)  
 % Volatile by weight: 25

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**SECTION 10 STABILITY AND REACTIVITY**  
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Chemical stability: Stable  
 Conditions to avoid: This product is not reactive with water.  
 Chemicals to avoid: Strong oxidizing agents.  
 Hazardous Polymerization: Will not occur.  
 Hazardous Decomposition Products: Thermal decomposition products can include toxic oxides of carbon.

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**SECTION 11 TOXICOLOGICAL INFORMATION**  
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This product is not on the International Agency for Research on Cancer (IARC) or National Toxicology Program (NTP) or OSHA lists of carcinogens or potential carcinogens.

TOXICITY DATA: The following data on test animals indicate that chemically similar products have low acute toxicity potential, but are eye and skin irritants by OSHA criteria.

COMPONENT	ROUTE-SPECIES	TEST	DOSAGE	UNITS	IRRITATION DATA
Modified Rosin	Oral-rat	LD50	>1	g/kg	Skin-rabbit Non-irritant Eye-rabbit Mild
Mineral Spirits	Oral-rat	LD	>5	g/kg	Eye Rabbit - Moderate
	Skin-rabbit	LD	>3	g/kg	
	Inhalation-cat	LCLo	1700	ppm/7H	

OTHER: Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

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**SECTION 12 ECOLOGICAL INFORMATION**  
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There is information available on the solids portion of this product as follows:

Acute Toxicity to Rainbow Trout:

LC50 (48 Hr)	2.3 mg/l
LC50 (96 Hr)	1.5 mg/l
NOEC	1.0 mg/l

Acute Toxicity to Daphnia Magna:

EC50 (24 Hr)	7.3 mg/l
NOEC (24 Hr)	3.2 mg/l
EC50 (48 Hr)	3.8 mg/l
NOEC (48 Hr)	1.8 mg/l

Algistatic Effect:

E <sub>b</sub> C50 (96 Hr)	0.031 mg/l
E <sub>r</sub> C50 (0-24 Hr)	0.042 mg/l
NOEC	0.0125 mg/l

Ready Biodegradability:

Attained 0% degradation after 28 days at a test concentration of 10 mg/l. It is not considered to be ready biodegradable.

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**SECTION 13 DISPOSAL CONSIDERATIONS**  
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Dispose of waste by incineration in accordance with all local, state and federal regulations.

Resource Conservation and Recovery Act (RCRA): If this product is to be discarded, it is considered hazardous under RCRA (40 CFR 261) due to ignitability and it has the EPA hazardous waste number D001.

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**SECTION 14 TRANSPORT INFORMATION**  
=====DOT - Department of Transportation Hazardous Materials Regulations

DOT Hazard Class:	Class 3
DOT Proper Shipping Name:	Resin Solution
Technical Name:	Not Applicable
DOT Identification Number:	UN 1866
Surface Freight Classification:	Not Applicable
Packing Group:	III

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**SECTION 15 REGULATORY INFORMATION**  
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Toxic Substances Control Act (TSCA): The components of this product are in the TSCA Inventory.

SARA, Title III, Section 313 (40 CFR 372): This product contains the following substances at a level which is reportable under SARA Toxic Chemical Release Reporting Regulations:

Chemical Name	CAS #	Wt%
None		

SARA 311/312 Hazard Categories: This product has the following hazard categories: Fire, Immediate (Acute) Health, Delayed (Chronic) Health.

New Jersey Worker and Community Right To Know Act: This product contains the following substances which appear on the Hazardous Substance List, are Trade Secret or are top five Ingredients:

Chemical Name	CAS or NJTS #	Wt%
Trade Secret	NJTSRN-6643	75
Staddard Solvent	8052-41-3	25

Pennsylvania Worker and Community Right To Know Act: This product contains the following substances which appear on the Hazardous Substance List:

Chemical Name	CAS #	Wt%
Stoddard Solvent	8052-41-3	25

WHMIS (Canada) Status: This product is controlled under WHMIS: Class B, Division 3 and Class D, Division 2, Subdivision B.

Canadian Environmental Protection Act (CEPA) and Domestic Substances List (DSL) Status: This product is on the DSL.

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**SECTION 16 OTHER INFORMATION**  
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**Hazard Ratings:** NFPA 2 Health 2 Fire 0 Reactivity

**Revision Note:** Revision 10. Revised MSDS date.

**Prepared by:** C. P. Smith

**Title:** Product Regulatory Specialist

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END OF MSDS