

PRODUCT NAME: TAL CONC-28 THICKENER
PRODUCT CODE: TAL CONC-28

HMIS CODES: H F R P
2 2 1 X

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

MANUFACTURER'S NAME: T. W. GRAPHIC'S GROUP
ADDRESS: 3323 S. Malt Avenue, City of Commerce, CA 90040
EMERGENCY PHONE: 1-800-424-9300 **INFORMATION PHONE:** (323) 721-1400
DATE REVISED: 09-23-03 **NAME OF PREPARER:** Kerry Strand
REASON REVISED: Updated.

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	MFR TLV	
Ammonium hydroxide	1336-21-6	N/E	N/E	N/E	4.239
Acrylamide	79-06-1	N/E	N/E	N/E	0.0587
Acrylic Acid	79-10-7	N/E	2	N/E	0.0587
Naphthol Spirits	Proprietary	500	100	N/E	1-5

+++++ No toxic chemical (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. +++++
++ TLV (threshold limit value) refer to product as such and do not indicate the value of the finished ink which represents a smaller percentage than the one considered irritating.

===== **SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS** =====

BOILING POINT: N/E **SPECIFIC GRAVITY (H20=1):** 0.9-1.2
VAPOR PRESSURE: N/E **EVAPORATION RATE:** Slower than ether
SOLUBILITY IN WATER: Dispersible **V.O.C.:** 375-482 grams/liter (3.12-4.02 lbs/gal)
PH: 8.75-9.75
APPEARANCE AND ODOR: Clear yellow liquid with ammonia odor.

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: 130-140°F **METHOD USED:** EPA 1010
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/E UPPER: N/E
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, WATER SPRAY
SPECIAL FIREFIGHTING PROCEDURES
Wear self-contained breathing apparatus to protect against hazardous effects of normal combustion or oxygen deficiency. Cool exposed drums or tanks with water.
UNUSUAL FIRE AND EXPLOSION HAZARDS
Combustible. Combustion can result in carbon monoxide, carbon dioxide, and oxides of nitrogen.

===== SECTION V - REACTIVITY DATA =====

STABILITY (STABLE CONDITIONS TO AVOID)

Stable.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Normal combustion products as carbon monoxide, carbon dioxide, or oxides of nitrogen.

HAZARDOUS POLYMERIZATION: None known.

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

This product has not been evaluated, however, a component greater than 1 percent is known to be an irritant.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

This product has not been evaluated, however, a component greater than 1 percent is known to be an irritant.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

None currently known.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

If ingested, may result in vomiting, nausea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

None currently known.

CARCINOGENICITY: NTP? N/E **IARC MONOGRAPHS?** N/E **OSHA REGULATED?**
NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Pre-existing nasal, eye, skin, and respiratory irritations may be aggravated by overexposure.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a physician.

SKIN CONTACT: Wash skin thoroughly with soap and water. If irritation persists, see a physician.

INHALATION: Remove to fresh air. If there are acute or chronic symptoms, move person to fresh air, give artificial respiration, and call a physician.

INGESTION: If conscious, give plenty of water to drink. Get medical attention. If unconscious, do not give anything to drink. Get immediate medical attention.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate sources of ignition. Stop source of leak. Absorb large spills with inert absorbant materials. Shovel into closable container for disposal. Wear protective equipment specified (Section VIII).

LAND SPILL

Note: This product may be classified as an oil under Section 311 of the Clean Water Act and 40CFR Part 112. Spills entering (A) surface waters or (B) any water courses or sewers entering/leading to surface waters that cause a sheen must be reported to the National Response Center (NRC; 800-424-8802). In the Washington, DC metropolitan areas call 202-426-2675. The oil content of this product is 31 percent by weight

WASTE DISPOSAL METHOD

Bury or incinerate in approved site or facility in accordance with local, federal, health, safety, and pollution laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store and use in a well-ventilated area. *DO NOT USE OR STORE NEAR OPEN FLAME, SPARKS, OR HOT SURFACES. KEEP CONTAINERS TIGHTLY CLOSED.*

OTHER PRECAUTIONS

HMIS RATING: Health : 2 Reactivity : 2 Flammability : 1 Protection: X

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

If exposure does exceed occupational exposure limits, use a NIOSH-approved respirator, or an atmosphere-supplying respirator, or an air-purifying respirator for organic vapors.

VENTILATION

Use adequate ventilation to keep airborne concentration below exposure standards.

PROTECTIVE GLOVES

Use Neoprene or Nitrile gloves for direct handling.

EYE PROTECTION

Use a chemical safety goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eyewash fountain, safety showers are recommended.

WORK/HYGIENIC PRACTICES

After use, thoroughly wash hands with soap and water before eating, drinking or smoking.

===== SECTION IX - DISCLAIMER =====

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