



ALLIED PRESSROOM CHEMISTRY

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER : **TITAN HYDROWET V2**
(Alcohol replacement solution for lithographic presses)

MANUFACTURER'S NAME: ALLIED PRESSROOM CHEMISTRY.

STREET ADDRESS
2040 LEE STREET, HOLLYWOOD, FLORIDA, 33020, USA

OFFICE TELEPHONE:
800-327-8487

FAX:
954-923-6462

24 HR. EMERGENCY TELEPHONE
800-424-9300 CHEMTREC

THIS IS AN INDUSTRIAL CHEMICAL PRODUCT. ALL INDUSTRIAL CHEMICAL PRODUCTS POSE AN INHERENT HEALTH RISK. BEFORE USE ALWAYS READ COMPLETE LABEL AND MSDS FOR SAFE HANDLING PROCEDURES

0-minimal, 1-slight, 2-moderate, 3-serious, 4-severe
HEALTH HAZARD: 2
FIRE HAZARD: 2
REACTIVITY: 0
PROTECTIVE EQUIPMENT: C



Safety Glasses



Gloves



Protective Apron

DO NOT BREATHE VAPORS. DO NOT GET IN EYES, SKIN. DO NOT GET ON CLOTHING. DO NOT INGEST

SECTION 2 – INGREDIENT INFORMATION

INGREDIENTS	%	CAS NUMBER	HAZARD DATA
<i>*These ingredients are subject to the reporting requirements of SARA 313 and 40 CFR 372</i>			
2-Butoxyethanol*	15 - 30	111-76-2	ACGIH (TWA-TLV) 25ppm (Skin) OSHA (PEL-SKIN) 50ppm
Ethylene Glycol*	10 - 25	107-21-1	ACGIH (celing-vapor) 50 ppm

ALL INGREDIENTS ARE LISTED IN THE US TOXIC SUBSTANCE CONTROL ACT (TSCA)

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE LIQUID	ODOR AND APPEARANCE Clear colorless liquid, Glycol ether odor	WATER SOLUBILITY Soluble	PH Not Applicable	SPECIFIC GRAVITY 0.97
VAPOR PRESSURE (MM Hg) of VOC materials < 3.0 @ 20°C	VAPOR DENSITY (AIR=1) >1	EVAPORATION RATE (Butyl acetate = 1) <1	BOILING POINT (°F) 212	V.O.C.'s 38 % by Mass 3.1 lb per Gallon (380 g/l)

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	IF YES, UNDER WHICH CONDITIONS? * Product may burn under fire conditions.			
EXTINGUISHING MEDIA CARBON DIOXIDE, DRY CHEMICAL, UNIVERSAL FOAM.	SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus if needed.			
FLASHPOINT (°F) AND METHOD > 180 F by TCC	UPPER FLAMMABLE LIMIT (% BY VOLUME) : Unknown	LOWER FLAMMABLE LIMIT (% BY VOLUME): Unknown		
AUTOIGNITION TEMPERATURE (°C) Not Known	HAZARDOUS COMBUSTION PRODUCTS Oxides of carbon and hydrocarbons.			
EXPLOSION DATA * NOT KNOWN	SENSITIVITY TO IMPACT NO	SENSITIVITY TO STATIC DISCHARGE NO		

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERISATION None			
INCOMPATIBILITY WITH OTHER SUBSTANCES Strong oxidizing agents, strong reducing agents, strong bases				
HAZARDOUS DECOMPOSITION PRODUCTS: In contact with open flame or incandescent material will liberate carbon dioxide, carbon monoxide and hydrocarbons			This product is not photochemically reactive	



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SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY

SKIN CONTACT ■

SKIN ABSORPTION ■

EYE CONTACT ■

INHALATION ■

INGESTION ■

ACUTE EXPOSURE TO PRODUCT: Inhalation - Inhalation can cause irritation of the respiratory tract, signs of central nervous system depression, dizziness nausea and headache. Eye - Will cause severe irritation, burning, redness and tearing. Skin - Can cause irritation, redness burning and drying. Ingestion causes irritation of the digestive tract. Aspiration into the lungs can lead to pulmonary edema and chemical pneumonia which can prove fatal.

CHRONIC EXPOSURE TO PRODUCT: Prolonged skin contact may aggravate an existing dermatitis. Pre-existing disorders of the lungs, (asthma-like conditions), liver, blood and kidneys may be aggravated by over-exposure.

CARCINOGENICITY: No ingredient present at greater than 0.1 % is identified as a carcinogen by OSHA, IARC or NTP

TARGET ORGAN EFFECTS: Over-exposure of the pure solvents has been linked to blood, liver and kidney abnormalities in animal studies. Has been linked to birth defects in animal studies, may harm fetus at exposure levels harmful to mother.

EMERGENCY FIRST AID PROCEDURES:

EYES: Flush with running water for at least 15 minutes. Seek medical attention.

SKIN: wash affected area with soap and water. Remove contaminated clothing and launder before re-use.

INHALATION: Remove victim to fresh air. Administer oxygen and/or artificial respiration if breathing difficulties occur. Seek medical attention.

INGESTION: Do not induce vomiting. Material is an aspiration hazard, may enter lungs and cause lung damage. Seek immediate medical attention.

SECTION 7 - PREVENTATIVE MEASURES

GLOVES

Nitrile for incidental, non-immersion contact.

RESPIRATOR: Use NIOSH approved SCBA in emergency situations or confined areas.

EYE (SPECIFY)

Splash proof goggles or face shield

CLOTHING : Boots, aprons , or chemical suits should be used when necessary to prevent skin contact.

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS) : Use local exhaust or dilution ventilation as appropriate to control exposure below permissible levels. Vapors are heavier than air and will collect in low areas

LEAK AND SPILL PROCEDURE: Extinguish all sources of ignition. Provide maximum ventilation. Dike area to contain spill. Take precautions to prevent contamination of ground and surface waters. Recover spilled material using absorbent material such as vermiculite and sweep into closed containers for disposal.

WASTE DISPOSAL: Contaminated vermiculite or porous surface must be disposed of in a permitted hazardous waste facility. Recovered liquids may be reprocessed or incinerated in a permitted hazardous waste facility. In all cases material should be disposed of in accordance with all applicable regulations.

HANDLING PROCEDURES AND EQUIPMENT: Keep container closed when not in use. Store only in closed, properly labeled containers. Store in a cool, dry, well ventilated area away from heat sparks and open flames. Treat empty containers as containing hazardous residues.

SECTION 8 - ADDITIONAL INFORMATION

CALIFORNIA PROPOSITION 65: *This regulation does not address "de minimis" levels. Therefore even trace amounts of chemicals on these lists must be identified. Trace quantities refer low levels of materials whose exact concentrations may not always be determined because of their minuteness.*

This product contains the following chemicals known by the state of California to cause cancer: 1,4-dioxane, ethylene oxide, acetaldehyde. This product contains the following chemicals known by the state of California to cause reproductive harm : ethylene oxide

SHIPPING INFORMATION: Not regulated for shipping purposes

SECTION 9 – PREPARATION AND DATE OF MSDS

PREPARED BY (GROUP DEPARTMENT, ETC.)

ALLIED PRESSROOM CHEMISTRY TECHNICAL SERVICES DEPARTMENT

PHONE NUMBER

1-800-327-8487

DATE

Feb 2010

The above information is believed to be correct as of the date hereof and is based on data supplied by raw material suppliers, however, no warranty of merchantability, fitness for use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with each use. Since the information contained herein may be applied under conditions beyond our control and with which we are unfamiliar, and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its' use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume risk of his use thereof.