



# SAFETY DATA SHEET

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product:** TIAH™ 100 **Part Number:** 3522001  
**Manufacturer:** W. R. MEADOWS, INC. **Address:** 300 Industrial Drive  
Hampshire, Illinois 60140  
**Telephone:** (847) 214-2100 **In case of emergency, dial (800) 424-9300 (CHEMTREC)**  
**Revision Date:** 4/22/2020  
**Product Use:** Concrete Sealer

## SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

<b>HMIS</b>		<b>HAZARD STATEMENTS</b>
<b>  Health  </b>	1	<b>DANGER!</b>
<b>  Flammability  </b>	3	Highly flammable liquid and vapor.
<b>  Reactivity  </b>	0	Harmful if Inhaled. Causes skin/eye/respiratory irritation.
<b>  Personal Protection  </b>		Prolonged/repeated exposure may cause organ damage.

May be fatal if ingested and enters airways.

**PRECAUTIONARY STATEMENTS**  
Keep containers closed when not in use/avoid ignition sources.  
Avoid breathing vapors and direct contact.  
Store in well-ventilated location.  
Wear appropriate Personal Protective Equipment.  
Use only outdoors or in well-ventilated areas.



## SECTION 3: HAZARDS COMPONENTS

<u>Chemical Name:</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>SARA 313</u>	<u>Vapor Pressure (mm Hg@20°C)</u>	<u>LEL (@25°C)</u>
1. Tert-Butyl Acetate	540-88-5	35-40	Yes	41 mm/Hg @25C	1.26
2. Proprietary Solvent Blend	N/E	45-50	No	N/E	N/E

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313." *N/E: Not Established*

## SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** If irritation or redness develops, move victim from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.

**SKIN CONTACT:** Wash affected areas with mild soap and water; remove contaminated shoes/clothing. If symptoms persist, seek medical attention.

**INHALATION:** If respiratory symptoms develop, move victim from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel.

**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy. Do not induce vomiting. If vomiting spontaneously occurs, prevent lung aspiration. Seek immediate medical attention.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC:** See Section Eleven for Symptoms/Effects.

## SECTION 5: FIRE AND EXPLOSIVES HAZARDS

**FLASHPOINT:** 39 degrees F (For Tert-Butyl Acetate)

**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical, or carbon dioxide.

**CHEMICAL/COMBUSTION HAZARDS:** Carbon monoxide, carbon dioxide, and incomplete combustion products.

**PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT:** Avoid smoke inhalation. Personal protective equipment should include helmet, face shield, bunker coat, gloves, rubber boots, and a positive-pressure NIOSH-approved self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Avoid direct contact. Dike and contain spilled material. Remove source of spill if safe to do so. Evacuate all non-essential personnel from immediate area. Remove/extinguish ignition sources. A vapor-suppressing foam may be used to reduce vapor generation. Absorb with non-combustible absorbent and place in sealed containers for disposal. Control run-off and prevent from entering waterways, sewers, etc...Use non-sparking tools to collect spilled material as well as contaminated absorbent.

## SECTION 7: HANDLING AND STORAGE

**SAFE HANDLING PROCEDURES:** Avoid direct contact. Use adequate grounding when decanting.

**SAFE STORAGE:** Keep containers closed when not in use. Keep away from ignition sources.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:	OSHA				ACGIH			
	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN
1. Tert-Butyl Acetate	200 ppm	N/E	N/E	Yes	200 ppm	N/E	N/E	Yes
2. Proprietary Solvent Blend	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

*N/E: Not Established*

**ENGINEERING CONTROLS:** Use with adequate ventilation. Use explosion-proof equipment.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses, chemical-resistant gloves.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> N/E	<b>VAPOR DENSITY:</b> >1 (Air=1)	<b>% VOLATILE BY VOLUME:</b> N/E
<b>EVAPORATION RATE:</b> <1 (Ether=1)	<b>pH LEVEL:</b> N/A	<b>% VOLATILE BY WEIGHT:</b> 82
<b>WEIGHT PER GALLON:</b> 8.41	<b>PRODUCT APPEARANCE:</b> Clear Liquid	<b>VOC CONTENT:</b> 98 g/L
<b>ODOR:</b> Solvent	<b>ODOR THRESHOLD:</b> N/D	<b>MELTING/FREEZING POINT:</b> N/D
<b>FLASH POINT:</b> See Section 5	<b>FLAMMABILITY:</b> N/D	<b>UEL/LEL:</b> N/D
<b>VAPOR PRESSURE:</b> N/D	<b>RELATIVE DENSITY:</b> N/D	<b>SOLUBILITY:</b> N/D
<b>PARTITION COEFFICIENT:</b> N/D	<b>AUTOIGNITION TEMPERATURE:</b> N/D	<b>DECOMPOSITION TEMPERATURE:</b> N/D
<b>VISCOSITY:</b> N/D		<i>N/D: Not Determined</i>

## SECTION 10: STABILITY/REACTIVITY

**STABILITY:** Stable.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS AND MATERIALS TO AVOID:** Static discharge, heat, sparks, open flame, and strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide/dioxide, incomplete combustion products.

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYE CONTACT:** Direct contact may cause mild to moderate irritation. Product vapors may also cause irritation.

**SKIN CONTACT:** Direct contact may cause mild skin irritation. Prolonged/repeated contact may result in irritation/dermatitis.

**INHALATION:** Exposure may produce irritation to the nose, throat, respiratory tract, and other mucous membranes. Exposure to excessive vapor concentrations may cause signs of transient central nervous system depression (headache, drowsiness, loss of coordination, and fatigue). Repeated/prolonged occupational overexposures may result in permanent damage and can be potentially fatal.

**INGESTION:** This product is anticipated to be slightly toxic. If ingested and lung aspiration occurs serious lung damage may result. Ingestion of excessive quantities may result in symptoms of central nervous system depression.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of gastrointestinal irritation include abdominal pain, vomiting and diarrhea. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, reduced lung function, and symptoms of central nervous system depression.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, lung, liver, kidney, male reproductive, immune/auditory and central nervous system disorders may be aggravated by product exposure.

**OTHER HEALTH EFFECTS:** Prolonged/repeated exposure may affect the central nervous system. Target organs include the liver, kidneys, and adrenal glands. Cardiac sensitization, immune system, and blood abnormalities have been demonstrated in laboratory animals. The relevance to humans is uncertain.

## SECTION 12: ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b> N/E	<b>DEGRADABILITY:</b> N/E	<b>BIOACCUMULATIVE POTENTIAL:</b> N/E
<b>SOIL MOBILITY:</b> N/E	<b>OTHER ADVERSE EFFECTS:</b> None recognized.	

## SECTION 13: WASTE DISPOSAL INFORMATION

**WASTE DISPOSAL INFORMATION:** Product is considered a hazardous waste for disposal purposes. Appropriate for fuel blending/incineration.

## SECTION 14: TRANSPORTATION INFORMATION

**HAZARDOUS/NON-HAZARDOUS MATERIAL:** Hazardous.

**UN NUMBER:** 1866

**HAZARD CLASS:** 3

**PACKING GROUP:** II

**UN PROPER SHIPPING NAME:** Resin Solution.

**ENVIRONMENTAL HAZARDS:** Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**BULK TRANSPORTATION INFORMATION:** Not applicable. Product not shipped in bulk configuration.

**SPECIAL PRECAUTIONS:** Keep containers closed. Avoid ignition sources.

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### SECTION 15: REGULATORY INFORMATION

OTHER REGULATORY CONSIDERATIONS: None recognized.

### SECTION 16: OTHER INFORMATION

PREPARATION DATE: 4/22/2020

PREPARED BY: Dave Carey

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*The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of this product described herein.*

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