

Product Code: TWP102-5
 Product Name: TWP REDWOOD (5 GAL)

GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036
 24-hour Emergency Phone: 800-510-8510

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(SEE TOP OF PAGE)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT/EXPOSURE LIMITS	CAS#

RULE 66 MINERAL SPIRITS	8052-41-3
STODDARD SOLVENT 100ppm TWA	
NONANE 200ppm TWA	
MIXED MANGANESE CARBOXYLATES	
ALIPHATIC PETROLEUM DISTILLATES	008052-41-3
LONG-OIL ALKYD	PROPRIETARY
OXOALUMINUM STEARATE	13419-15-3
RED OXIDE-MEDIUM	1309-37-1
FOLPET	133-07-3
RULE 66 MINERAL SPIRITS	64742-88-7
XYLENE	1330-20-7
OSHA: 100 PPM PEL-TWA	
NIOSH: 100 PPM PEL-TWA	
ETHYLBENZENE	100-41-4
1,2,4-TRIMETHYLBENZENE	95-63-6

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TOLUENE

108-88-3

3. HAZARDS IDENTIFICATION

FLAMMABLE IN A LIQUID STATE
VAPOR CAUSES EYE BURNS AND SKIN IRRITATION.

POTENTIAL HEALTH EFFECTS

SKIN: Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed
INGESTION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

INHALATION: High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs.

4. FIRST AID MEASURES

EYES: Flush with luke warm water for a minimum of 15 minutes. Seek medical attention immediately.
SKIN: Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

INGESTION: Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

INHALATION: Rinse mouth immediately. Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting. Contact physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASSIFICATION: CLASS 1B
LOWEST FLASH POINT: 108F METHOD: TCC

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: .5
UPPER FLAMMABLE LIMIT: 6

EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Close containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding cutting torch on or near container (even empty) because product (even residue) may ignite explosively. and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame.

FIREFIGHTING INSTRUCTIONS: Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

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Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain if it may be done safely. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways. If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

7. HANDLING AND STORAGE

HANDLING: Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Contents of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor and/or solid), all hazard precautions given in this sheet must be observed.
Wet down all used wiping rags with water in a covered metal container to prevent spontaneous combustion

STORAGE: Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

SKIN PROTECTION: Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

EYE PROTECTION: Wear splashproof goggles and face shield if there is a likelihood of contact with eyes.

HYGIENIC PRACTICES: Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 318-383F
MELTING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: Heavier Than Air
SOLUBILITY IN WATER: N/A
SPECIFIC GRAVITY: .84
COATING VOC LB/GL: 4.61 lb/gal
COATING VOC GM/LTR: 552 g/l
MATERIAL VOC LB/GL: 4.61 lb/gal
MATERIAL VOC GM/LTR: 552 g/l
% VOLATILE BY VOLUME: 72.37%
EVAPORATION RATE: Faster than Butyl Acetate.
HAPS/GALLON: .12
LBS HAPS/LBS SOLID: .0501
WEIGHT PER GALLON: 7. lb/gal
PH: N/A
ODOR: N/A
APPEARANCE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable Conditions to Avoid: high heat, sparks, flames.
INCOMPATIBILITIES: Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxidation may produce carbon and nitrogen oxides.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Date Printed: 3/13/2002

Page: 4

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CANCER INFORMATION: This product contains no reported carcinogens or suspected carcinogens.
 TERATOLOGY (BIRTH DEFECT) INFORMATION: This product contains no reported or suspected teratogens.
 REPRODUCTION INFORMATION:

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT NUMBER: N/A

15. REGULATORY INFORMATION

HMIS HAZARD INDEX: 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST

HEALTH: 2

FLAMMABILITY: 3

REACTIVITY: 0

PERSONAL PROTECTION: I

SECTION 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372 (Chemicals below constitute the specific percentage of product by weight. Chemicals that do not have a listed percentage comprise less than 1% of total product weight):

	% BY WT
* FOLPET	133-07-3
* XYLENE	1330-20-7
* ETHYLBENZENE	100-41-4
* 1,2,4-TRIMETHYLBENZENE	95-63-6
* TOLUENE	108-88-3

16. OTHER INFORMATION:

THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCE BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FROM WHICH GEMINI INDUSTRIES, INC. ASSUMES LEGAL RESPONSIBILITY.