



# Material Safety Data Sheet

Preparation Date: 04-Jan-2010

Revision Date: 29-Dec-2009

Revision Number: 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code** 82HS-00WH  
**Trade Name** VERSATONE TNE MEC WHITE  
**Contact Manufacturer** Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372  
**Emergency Telephone Number** 800-535-5053 (INFOTRAC) - TNE MEC REGULATORY DEPT: 816-474-3400

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### WARNING!

COMBUSTIBLE LIQUID AND VAPOR.  
HARMFUL IF INHALED.  
HARMFUL OR FATAL IF SWALLOWED.  
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.  
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN.

#### Potential Health Effects

**Principle Routes of Exposure** Eye contact, Inhalation, Skin contact.

#### Acute Effects

**Eyes** Moderately irritating to the eyes.  
**Skin** Irritating to skin.  
**Inhalation** Irritating to respiratory system. Blood disorder may occur after prolonged inhalation.  
Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.  
**Ingestion** May be harmful if swallowed. Blood disorder may occur after ingestion.

#### Chronic Effects

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Cancer hazard. Contains crystalline silica which can cause cancer. (Risk of cancer depends on duration and level of exposure.) Contains ethylene glycol monobutyl ether which may cause blood damage based on animal data.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** Central nervous system. Kidney disorders. Skin disorders.

**Interactions with Other Chemicals** Use of alcoholic beverages may enhance toxic effects.

**Potential Environmental Effects** See Section 12 for additional Ecological information

**Target Organ Effects** Blood, Central nervous system, Eyes, Kidney, Lungs, Respiratory system, Skin

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Component	CAS-No	Weight %
SILICONE MODIFIED ALKYD RESIN		30 - 60
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	10 - 30
MINERAL SPIRITS, AS STODDARD SOLVENT	8052-41-3	17.4835
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	6.8722
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	2.5996
AMORPHOUS SILICA	7631-86-9	1 - 5
ALUMINUM OXIDES	1344-28-1	1 - 5
AROMATIC HYDROCARBON MIXTURE	64742-95-6	1.3851
1,2,4-TRIMETHYLBENZENE	95-63-6	1.0281
1,3,5-TRIMETHYLBENZENE	108-67-8	0.257

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water.
<b>Ingestion</b>	If swallowed, do not induce vomiting. Get medical attention immediately.
<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Combustible material.
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Contact with water may cause violent frothing. Use: Carbon dioxide (CO <sub>2</sub> ) - Foam - Dry chemical
<b>Hazardous Decomposition Products</b>	Oxides of carbon, hydrocarbons. Oxides of nitrogen. Oxides of sulphur.
<b>Specific Hazards Arising from the Chemical</b>	Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.
<b>Protective Equipment and Precautions for Firefighters</b>	Use water spray to cool unopened containers. In the event of fire, wear self-contained breathing apparatus. Keep away from heat/sparks/open flames/hot surfaces. May cause heat and pressure build-up in closed containers. Solvent vapors are heavier than air and may spread along floors. Flash back possible over considerable distance.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

**Methods for Cleaning Up** If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

**Other Information** Not applicable

## 7. HANDLING AND STORAGE

### Handling

Close container after each use. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. If splashes are likely to occur, wear goggles. Wear protective gloves/clothing. Do not burn, or use a cutting torch on, the empty drum. When used in a mixture, read the labels and safety data sheets of all components. Wash thoroughly after handling.

### Storage

Keep away from heat, sparks and flame. Use only in an area containing flame proof equipment. Prevent build-up of vapors by opening all windows and doors to achieve cross ventilation.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	Quebec TWAEV	Ontario TWAEV	Mexico OEL (TWA)
TITANIUM DIOXIDE (TOTAL DUST)	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>
MINERAL SPIRITS, AS STODDARD SOLVENT	TWA: 100 ppm	TWA: 100 ppm TWA: 525 mg/m <sup>3</sup> TWA: 2900 mg/m <sup>3</sup> TWA: 500 ppm	TWA: 525 mg/m <sup>3</sup> TWA: 100 ppm	TWA: 525 mg/m <sup>3</sup>	TWA: 523 mg/m <sup>3</sup> TWA: 100 ppm STEL: 1050 mg/m <sup>3</sup> STEL: 200 ppm
CRYSTALLINE SILICA (QUARTZ)	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.10 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE				TWA: 270 mg/m <sup>3</sup> TWA: 50 ppm	
ALUMINUM OXIDES	TWA: 1 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
1,2,4-TRIMETHYLBENZENE	TWA: 25 ppm		TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	TWA: 125 mg/m <sup>3</sup> TWA: 25 ppm STEL: 170 mg/m <sup>3</sup> STEL: 35 ppm
1,3,5-TRIMETHYLBENZENE	TWA: 25 ppm		TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 123 mg/m <sup>3</sup>	TWA: 125 mg/m <sup>3</sup> TWA: 25 ppm STEL: 170 mg/m <sup>3</sup> STEL: 35 ppm

### Engineering Measures

Ensure adequate ventilation, especially in confined areas

### Personal Protective Equipment

#### Skin Protection

Lightweight protective clothing, Apron, Impervious gloves

#### Eye/face Protection

Goggles. If splashes are likely to occur, wear face-shield.

#### Respiratory Protection

**Use only with adequate ventilation.** Do not breathe dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Flash Point

48°C / 118.0°F

### Boiling Point/Range

139 - 202°C / 283.0 - 395.0°F

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Upper Exposure Limits	No information available
Lower Exposure Limits	No information available
Evaporation Rate	No information available
Vapour Pressure	No information available
Vapour Density	No information available
Specific Gravity	1.29358
Density	10.76449
VOC Content (lbs/gal)	2.573
% Volatile by Weight	23.8980
% Volatile by Volume	38.2243

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable.	<b>Conditions to Avoid</b>	Heat, flames and sparks. Reacts with air to form peroxides.
<b>Incompatible Products</b>	Strong oxidizing agents. Acids. Amines. Reducing agents.	<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
TITANIUM DIOXIDE (TOTAL DUST)	10000 mg/kg ( Rat )		
CRYSTALLINE SILICA (QUARTZ)	500 mg/kg ( Rat )		
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	8532 mg/kg ( Rat )	5000 mg/kg ( Rabbit )	
AMORPHOUS SILICA	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	2.2 mg/L ( Rat ) 1 h
ALUMINUM OXIDES	5000 mg/kg ( Rat )		
AROMATIC HYDROCARBON MIXTURE	8400 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h 3400 ppm ( Rat ) 4 h
1,2,4-TRIMETHYLBENZENE	3400 mg/kg ( Rat )	3160 mg/kg ( Rabbit )	18 g/m <sup>3</sup> ( Rat ) 4 h
1,3,5-TRIMETHYLBENZENE	5000 mg/kg ( Rat )		24 g/m <sup>3</sup> ( Rat ) 4 h

<b>Irritation</b>	No information available
<b>Corrosivity</b>	No information available
<b>Sensitization</b>	No information available

### Chronic Toxicity

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Component	ACGIH	IARC	NTP	OSHA	Mexico
TITANIUM DIOXIDE (TOTAL DUST)		Group 2B		X	
CRYSTALLINE SILICA (QUARTZ)	A2	Group 1	Known	X	

<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	No information available
<b>Developmental Effects</b>	No information available
<b>Teratogenicity</b>	No information available
<b>Target Organ Effects</b>	Blood, Central nervous system, Eyes, Kidney, Lungs, Respiratory system, Skin.

**Endocrine Disruptor Information** No information available

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE		LC50= 161 mg/L Pimephales promelas 96 h		EC50 > 500 mg/L 48 h
AMORPHOUS SILICA	EC50 = 440 mg/L 72 h	LC50= 5000 mg/L Brachydanio rerio 96 h		EC50 = 7600 mg/L 48 h
AROMATIC HYDROCARBON MIXTURE		LC50= 9.22 mg/L Oncorhynchus mykiss 96 h		EC50 = 6.14 mg/L 48 h
1,2,4-TRIMETHYLBENZENE		LC50= 7.72 mg/L Pimephales promelas 96 h		EC50 = 6.14 mg/L 48 h
1,3,5-TRIMETHYLBENZENE		LC50= 7.72 mg/L Pimephales promelas 96 h LC50= 3.48 mg/L Pimephales promelas 96 h		EC50 = 50 mg/L 24 h

## 13. DISPOSAL CONSIDERATIONS

### Waste Disposal Methods

Keep container tightly closed. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

### Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

**DOT** Ground Transportation Only. Call TNE MEC Traffic Department - 816-474-3400 for other modes of Transportation.  
**Proper Shipping Name** PAINT IN OIL

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDL</b>	Does not Comply
<b>EINECS/ELINCS</b>	Does not Comply
<b>CHINA</b>	Does not Comply
<b>ENCS</b>	Does not Comply
<b>KECL</b>	Does not Comply
<b>PICCS</b>	Does not Comply
<b>AICS</b>	Does not Comply

### U.S. Federal Regulations

#### SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values
1,2,4-TRIMETHYLBENZENE	95-63-6	1.0281	1.0

**SARA 311/312 Hazardous Categorization**

Chronic Health Hazard	No
Acute Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CERCLA****U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Component	CAS-No	California Prop. 65
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	Carcinogen

**State Right-to-Know**

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TITANIUM DIOXIDE (TOTAL DUST)	X	X	X		X
MINERAL SPIRITS, AS STODDARD SOLVENT	X	X	X		X
CRYSTALLINE SILICA (QUARTZ)	X	X	X		X
AMORPHOUS SILICA	X		X		
ALUMINUM OXIDES	X	X	X		X
1,2,4-TRIMETHYLBENZENE	X	X	X	X	X
1,3,5-TRIMETHYLBENZENE	X	X	X	X	X

**Other International Regulations****Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

B3 Combustible liquid

D2B Toxic materials



Component	NPRI
MINERAL SPIRITS, AS STODDARD SOLVENT	Part 5 Substance
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	Part 5 Substance
ALUMINUM OXIDES	Part 1, Group 1 Substance (fibrous form)
AROMATIC HYDROCARBON MIXTURE	Part 5 Substance
1,2,4-TRIMETHYLBENZENE	Part 1, Group 1 Substance; Part 5 Substance

**Legend**

NPRI - National Pollutant Release Inventory

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16. OTHER INFORMATION
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Revision Date: 29-Dec-2009

Revision Summary No information available

HMIS Health 0 Flammability 0 Reactivity 1

**Disclaimer**

For specific information regarding occupational safety and health standards, please refer to the Code of Federal Regulations, Title 29, Part 1910.

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**End of MSDS**