



# Safety Data Sheet

Issue Date 22-Mar-2024

Revision Date 22-Mar-2024

Revision Number 3

## 1. IDENTIFICATION

### Product identifier

**Product Code** F154-00WH  
**Product Name** TNMEGUARD TNEMEC WHITE

### Other means of identification

**Common Name** SERIES 154  
**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** industrial paint.  
**Uses advised against** Consumer use, For professional use only. Not for residential use.

### Details of the supplier of the safety data sheet

**Manufacturer Address**  
Tnemec Company, Inc. 123 W. 23rd Avenue, North Kansas City, MO 64116-3094 (816) 474-3400

**Distributor**  
Tnemec Company, Inc. 86 Boul, des Entreprises, Ste. 203, Boisbriand, Quebec Canada J7G 2T3

### Emergency telephone number

**Company Phone Number** Tnemec Regulatory Dept: 816-474-3400  
**24 Hour Emergency Phone Number** 800-535-5053 (Infotrac)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

#### **EMERGENCY OVERVIEW**

**Not Hazardous**

**Appearance** No information available **Physical state** liquid **Odor** Slight

### **Precautionary Statements**

#### **Prevention**

Do not handle until all safety precautions have been read and understood

#### **Response**

Get medical advice/attention if you feel unwell

#### **Storage**

Keep away from children  
Store in a dry place. Store in a closed container

**Disposal**

Dispose of contents/container in accordance with local regulations.

**Hazards not otherwise classified (HNOC)**

If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

**Other information**

Causes mild skin irritation

Very toxic to aquatic life with long lasting effects

SEE SAFETY DATA SHEET

Acute Toxicity

21.59311 % of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical name	CAS No.	Weight-%
NONHAZARDOUS RESIN	M395	10 - <30%
WATER	7732-18-5	10 - <30%
CELESTITE	-	10 - <30%
WATER	7732-18-5	10 - <30%
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	1 - <10%
CALCINED KAOLIN	92704-41-1	1 - <10%
BARIUM SULFATE (TOTAL DUST)	7727-43-7	1 - <10%
MINERAL OIL MIST	C129	0.1 - <1%
BARIUM SULFATE (TOTAL DUST)	7727-43-7	0.1 - <1%
ALUMINUM OXIDES	1344-28-1	0.1 - <1%
SODIUM HEXAMETAPHOSPHATE	68915-31-1	0.1 - <1%
AMORPHOUS SILICA	7631-86-9	0.1 - <1%
ALUMINUM HYDROXIDE	21645-51-2	0.1 - <1%
NONHAZARDOUS RESIN	M395D	0.1 - <1%
AMMONIUM HYDROXIDE	1336-21-6	0.1 - <1%
DISPERSING AGENT	C161	0.1 - <1%
PROPYLENE GLYCOL	57-55-6	0.1 - <1%
2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE	26530-20-1	0 - <0.1%
Trade secret	-	0 - <0.1%
TRIETHYLOLPROPANE	77-99-6	0 - <0.1%
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	0 - <0.1%
CELLULOSE	9004-62-0	0 - <0.1%
DIPROPYLENE GLYCOL	25265-71-8	0 - <0.1%
BRANCHED AMMONIUM SALT	68649-55-8	0 - <0.1%
1,2-BENZISOTHIAZOLIN-3-ONE	2634-33-5	0 - <0.1%
SODIUM HYDROXIDE	1310-73-2	0 - <0.1%
WATER	7732-18-5	0 - <0.1%
WATER	7732-18-5	0 - <0.1%
NON-HAZARDOUS MATERIAL	C248	0 - <0.1%
COPPER COMPOUNDS	147-14-8	0 - <0.1%
RED PIGMENT	-	0 - <0.1%
NONHAZARDOUS RESIN	R291	0 - <0.1%
NONHAZARDOUS RESIN	BL114	0 - <0.1%
ROSIN (GUM)	8050-09-7	0 - <0.1%
CALCIUM CHLORIDE	10043-52-4	0 - <0.1%
PETROLEUM DISTILLATES	64741-88-4	0 - <0.1%

PETROLEUM DISTILLATES	64741-89-5	0 - <0.1%
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1	26172-55-4	0 - <0.1%
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	0 - <0.1%
ETHANOL	64-17-5	0 - <0.1%
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1	26172-55-4	0 - <0.1%

The product contains no substances which at their given concentration, are considered to be hazardous to health.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	If swallowed, do not induce vomiting. Get medical attention immediately.
<b>Self-protection of the first aider</b>	Use personal protective equipment. Avoid contact with eyes, skin and clothing.

##### Most important symptoms and effects, both acute and delayed

<b>Notes to physician</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Carbon dioxide. Foam. Dry chemical.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours In the event of fire and/or explosion do not breathe fumes

**Hazardous combustion products** Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protective equipment. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. Remove all sources of ignition.
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##### Environmental Precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

#### Methods and material for containment and cleaning up

**Methods for containment** Remove all sources of ignition. Spills may be collected with inert, absorbent material for proper disposal. Use non-sparking tools, protective gloves, goggles and clothing, adequate ventilation, avoid the breathing of vapors and use respiratory protective devices. Transfer absorbent material to suitable containers for proper disposal.

**Methods for cleaning up** Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapours or spray mist. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

#### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Incompatible products** No materials to be especially mentioned.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

#### Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	TWA: 0.2 mg/m <sup>3</sup> nanoscale respirable particulate matter TWA: 2.5 mg/m <sup>3</sup> finescale respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total dust	5000 mg/m <sup>3</sup>
BARIUM SULFATE (TOTAL DUST) 7727-43-7	TWA: 5 mg/m <sup>3</sup> inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	
BARIUM SULFATE (TOTAL DUST) 7727-43-7	TWA: 5 mg/m <sup>3</sup> inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	
ALUMINUM OXIDES 1344-28-1	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	
AMORPHOUS SILICA 7631-86-9	-	-	3000 mg/m <sup>3</sup>
ALUMINUM HYDROXIDE 21645-51-2	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	-	
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter	TWA: 50 µg/m <sup>3</sup>	50 mg/m <sup>3</sup> respirable dust
SODIUM HYDROXIDE 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
COPPER COMPOUNDS 147-14-8	TWA: 1 mg/m <sup>3</sup> dust and mist	-	100 mg/m <sup>3</sup> dust and mist
ROSIN (GUM) 8050-09-7	TWA: 0.001 mg/m <sup>3</sup> inhalable particulate matter	-	

TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	TWA: 0.2 mg/m <sup>3</sup> nanoscale respirable particulate matter TWA: 2.5 mg/m <sup>3</sup> finescale respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total dust	5000 mg/m <sup>3</sup>
ETHANOL 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>	3300 ppm

**Appropriate engineering controls****Engineering measures**

Sufficient ventilation, in volume and pattern, should be provided through both local and general exhaust to keep the air contaminant concentration below current applicable OSHA Permissible Exposure Limits (PEL) and ACGIH's Threshold Limit Values (TLV). Appropriate ventilation should be employed to remove hazardous decomposition products formed during welding or flame cutting operations of surfaces coated with this product.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Safety glasses with side-shields

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

Use only with adequate ventilation. Do not breathe vapors, spray mist, or dust. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist or dust levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA 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****Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Slight
<b>Appearance</b>	No information available	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	
pH		No data available	
Melting point / freezing point	No data available		
Boiling point / boiling range		No information available	
Flash point	> 110 °C / > 230 °F	Pensky Martens - Closed Cup	
Evaporation rate		No data available	
Flammability (solid, gas)	No data available		
Flammability Limit in Air		No data available	
Upper flammability limit	NA		
Lower flammability limit	NA		
Vapor pressure		No data available	
Vapor density		No data available	
Specific gravity	1.40373	g/cm <sup>3</sup>	
Water solubility	Insoluble in cold water		
Solubility in other solvents		No data available	
Partition coefficient: n-octanol/water		No data available	
Autoignition temperature	No data available	No data available	
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	1700 centipoises	approx	

**Other Information**

<b>Molecular weight</b>	No information available
<b>Density</b>	11.70712 lbs/gal
<b>Volatile organic compounds (VOC) content</b>	0.02703 lbs/gal
<b>Total volatiles weight percent</b>	34.28 %
<b>Total volatiles volume percent</b>	48.19 %
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

No materials to be especially mentioned

### Hazardous decomposition products

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. Carbon dioxide. Hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

<b>Inhalation</b>	May cause irritation.
<b>Eye contact</b>	May cause irritation.
<b>Skin contact</b>	May cause irritation.
<b>Ingestion</b>	May be harmful if swallowed.

### Information on toxicological effects

**Symptoms** May cause skin and eye irritation. May cause respiratory irritation.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Chronic Toxicity</b>	Avoid repeated exposure.
<b>Sensitization</b>	No information available.
<b>Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	A3	Group 2B	-	X
AMORPHOUS SILICA 7631-86-9		Group 3	Known	

CRYSTALLINE SILICA (QUARTZ) 14808-60-7	A2	Group 1	Known	X
PETROLEUM DISTILLATES 64741-88-4	A2	Group 1	Known	
PETROLEUM DISTILLATES 64741-89-5	A2	Group 1	Known	
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	A3	Group 2B	-	X
ETHANOL 64-17-5	A3	Group 1	Known	

**Reproductive effects** No information available.  
**STOT - single exposure** No information available  
**STOT - repeated exposure** No information available  
**Aspiration hazard** No information available.

**Acute Toxicity** 21.59311 % of the mixture consists of ingredient(s) of unknown toxicity.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects

22.85428 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
CALCINED KAOLIN 92704-41-1	EC50: >100 mg/L <i>Desmodesmus subspicatus</i> 72 h	LC50: >100 mg/L <i>Oncorhynchus mykiss</i> 96 h semi-static	EC50: >1 mg/L <i>Daphnia magna</i> 48 h
AMORPHOUS SILICA 7631-86-9	EC50: 440 mg/L <i>Pseudokirchneriella subcapitata</i> 72 h	LC50: 5000 mg/L <i>Brachydanio rerio</i> 96 h static	EC50: 7600 mg/L <i>Ceriodaphnia dubia</i> 48 h
AMMONIUM HYDROXIDE 1336-21-6	-	LC50: 8.2 mg/L <i>Pimephales promelas</i> 96 h	EC50: 0.66 mg/L water flea 48 h EC50: 0.66 mg/L <i>Daphnia pulex</i> 48 h
PROPYLENE GLYCOL 57-55-6	EC50: 19000 mg/L <i>Pseudokirchneriella subcapitata</i> 96 h	LC50: 51600 mg/L <i>Oncorhynchus mykiss</i> 96 h static LC50: 41 - 47 mL/L <i>Oncorhynchus mykiss</i> 96 h static LC50: 51400 mg/L <i>Pimephales promelas</i> 96 h static LC50: 710 mg/L <i>Pimephales promelas</i> 96 h	EC50: >1000 mg/L <i>Daphnia magna</i> 48 h Static
TRIETHYLOPROPANE 77-99-6	-	-	EC50: 13000 mg/L <i>Daphnia</i> species 48 h EC50: 10330 - 16360 mg/L <i>Daphnia magna</i> 48 h Static
SODIUM HYDROXIDE 1310-73-2	-	LC50: 45.4 mg/L <i>Oncorhynchus mykiss</i> 96 h static	-
ROSIN (GUM) 8050-09-7	EC50: 400 mg/L <i>Desmodesmus subspicatus</i> 72 h	-	EC50: 3.8 - 5.4 mg/L <i>Daphnia magna</i> 48 h
CALCIUM CHLORIDE 10043-52-4	-	LC50: 10650 mg/L <i>Lepomis macrochirus</i> 96 h static	LC50: 2280000 - 3948000 µg/L <i>Daphnia magna</i> 48 h
PETROLEUM DISTILLATES 64741-88-4	-	LC50: >5000 mg/L <i>Oncorhynchus mykiss</i> 96 h	EC50: >1000 mg/L <i>Daphnia magna</i> 48 h
PETROLEUM DISTILLATES 64741-89-5	-	LC50: >5000 mg/L <i>Oncorhynchus mykiss</i> 96 h	EC50: >1000 mg/L <i>Daphnia magna</i> 48 h
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1 26172-55-4	EC50: 0.11 - 0.16 mg/L <i>Pseudokirchneriella subcapitata</i> 72 h static EC50: 0.03 - 0.13 mg/L <i>Pseudokirchneriella subcapitata</i> 96 h static	LC50: 1.6 mg/L <i>Oncorhynchus mykiss</i> 96 h semi-static	EC50: 4.71 mg/L <i>Daphnia magna</i> 48 h EC50: 0.12 - 0.3 mg/L <i>Daphnia magna</i> 48 h Flow through EC50: 0.71 - 0.99 mg/L <i>Daphnia magna</i> 48 h Static
ETHANOL 64-17-5	-	LC50: 12.0 - 16.0 mL/L <i>Oncorhynchus mykiss</i> 96 h static LC50: >100 mg/L <i>Pimephales</i>	LC50: 9268 - 14221 mg/L <i>Daphnia magna</i> 48 h EC50: 2 mg/L <i>Daphnia magna</i> 48 h

		promelas 96 h static LC50: 13400 - 15100 mg/L Pimephales promelas 96 h flow-through	Static
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1 26172-55-4	EC50: 0.11 - 0.16 mg/L Pseudokirchneriella subcapitata 72 h static EC50: 0.03 - 0.13 mg/L Pseudokirchneriella subcapitata 96 h static	LC50: 1.6 mg/L Oncorhynchus mykiss 96 h semi-static	EC50: 4.71 mg/L Daphnia magna 48 h EC50: 0.12 - 0.3 mg/L Daphnia magna 48 h Flow through EC50: 0.71 - 0.99 mg/L Daphnia magna 48 h Static

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in Environmental Media**

Chemical name	log Pow
PROPYLENE GLYCOL 57-55-6	-1.07
TRIETHYLOLPROPANE 77-99-6	-0.47
DIPROPYLENE GLYCOL 25265-71-8	-0.462
1,2-BENZISOTHIAZOLIN-3-ONE 2634-33-5	1.3
COPPER COMPOUNDS 147-14-8	6.6
ROSIN (GUM) 8050-09-7	>1.9 - <=7.7
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1 26172-55-4	-0.71 - 0.75
ETHANOL 64-17-5	-0.32
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1 26172-55-4	-0.71

**Other Adverse Effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal Methods**

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Chemical name	CAWAST
AMMONIUM HYDROXIDE 1336-21-6	Toxic Corrosive
SODIUM HYDROXIDE 1310-73-2	Toxic Corrosive
COPPER COMPOUNDS 147-14-8	Toxic
ETHANOL 64-17-5	Toxic Ignitable



## 14. TRANSPORT INFORMATION

**DOT**

**Proper Shipping Name**  
**Additional Information**

PAINT & RELATED MATERIAL water base freezable  
 The above transport information is for non-bulk packaging only (≤ 119 gallons). For additional information, contact Tnemec Traffic Department at 816-474-3400 or traffic@tnemec.com.

**IATA**

**UN/ID no.**  
**Proper Shipping Name**  
**Hazard Class**  
**Packing Group**  
**ERG Code**

UN3082  
 Environmentally hazardous substance, liquid, n.o.s. (Ammonia Solutions)  
 9  
 III  
 171

**IMDG/IMO**

**UN/ID no.**  
**Proper Shipping Name**  
**Hazard Class**  
**Packing Group**  
**EmS No.**  
**Marine Pollutant**

UN3082  
 Environmentally hazardous substance, liquid, n.o.s. (Ammonia Solutions)  
 9  
 III  
 F-A,S-F  
 Yes

**Additional Information**

Call TNEMEC Traffic Department - 816-474-3400 for additional information or other modes of Transportation.

## 15. REGULATORY INFORMATION

**International Inventories**

**TSCA** Complies  
**DSL/NDL** Does Not Comply  
**EINECS/ELINCS** Does Not Comply  
**ENCS** Does Not Comply  
**IECSC** Complies  
**KECL** Does Not Comply  
**PICCS** Does Not Comply  
**AICS** Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	SARA 313 - Threshold Values
BARIUM SULFATE (TOTAL DUST) - 7727-43-7	1.0
BARIUM SULFATE (TOTAL DUST) - 7727-43-7	1.0
ALUMINUM OXIDES - 1344-28-1	1.0
AMMONIUM HYDROXIDE - 1336-21-6	1.0
COPPER COMPOUNDS - 147-14-8	1.0

**SARA 311/312 Hazardous****Categorization**

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

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
AMMONIUM HYDROXIDE 1336-21-6	1000 lb			X
SODIUM HYDROXIDE 1310-73-2	1000 lb			X
COPPER COMPOUNDS 147-14-8		X		

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs	RQ
AMMONIUM HYDROXIDE 1336-21-6	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
SODIUM HYDROXIDE 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

Chemical name	TSCA 5(a)2
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1	62 FR 34421, Jun 26, 1997 proposed rule PMN P-95-0116 62 FR 34421, Jun 26, 1997 proposed rule PMN P-96-1250
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-1	62 FR 34421, Jun 26, 1997 proposed rule PMN P-95-0116 62 FR 34421, Jun 26, 1997 proposed rule PMN P-96-1250

**California Prop. 65**

**WARNING:** This product can expose you to the following chemicals which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical name	California Prop. 65
TITANIUM DIOXIDE (TOTAL DUST) - 13463-67-7	Carcinogen
AMORPHOUS SILICA - 7631-86-9	Carcinogen
CRYSTALLINE SILICA (QUARTZ) - 14808-60-7	Carcinogen
ETHANOL - 64-17-5	Carcinogen Developmental
TITANIUM DIOXIDE (TOTAL DUST) - 13463-67-7	Carcinogen

**California SCAQMD Rule 443**

Does Not Contain Photochemically Reactive Solvent

**State Right-to-Know**

Chemical name	New Jersey	Massachusetts	Pennsylvania
WATER 7732-18-5			X
WATER 7732-18-5			X
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	X	X	X
BARIUM SULFATE (TOTAL DUST) 7727-43-7	X	X	X
BARIUM SULFATE (TOTAL DUST) 7727-43-7	X	X	X
ALUMINUM OXIDES 1344-28-1	X	X	X
AMORPHOUS SILICA 7631-86-9		X	X
AMMONIUM HYDROXIDE 1336-21-6	X	X	X

PROPYLENE GLYCOL 57-55-6	X		X
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	X	X	X
DIPROPYLENE GLYCOL 25265-71-8			X
SODIUM HYDROXIDE 1310-73-2	X	X	X
WATER 7732-18-5			X
WATER 7732-18-5			X
COPPER COMPOUNDS 147-14-8	X		X
ROSIN (GUM) 8050-09-7			X
PETROLEUM DISTILLATES 64741-89-5		X	
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	X	X	X
ETHANOL 64-17-5	X	X	X

## 16. OTHER INFORMATION

**NFPA** Health 1 Flammability 0 Instability 0 Physical hazard -  
**HMIS (Hazardous** Health 1 Flammability 0 Reactivity 0  
**Material Information**  
**System)**

**Prepared By** Tnemec Regulatory Dept: 816-474-3400  
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**Revision Summary**  
 1 9 4 5 6 7 10 8 11 14 15

### Disclaimer

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

To the best of our knowledge, the information contained herein is accurate. However, neither the Tnemec Company or any of its subsidiaries assume any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

**End of SDS**