



# Safety Data Sheet

Issue Date No data available

Revision Date 18-Dec-2014

Revision Number 4

## 1. IDENTIFICATION

Product identifier

Product Code F010-0099W

Product Name TNEMEC PRIMER WHITE

Other means of identification

Common Name SERIES 10

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. 6800 Corporate Drive, Kansas City, MO 64120-1372

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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1
Flammable Liquids	Category 3

Label elements

### EMERGENCY OVERVIEW

**Danger**

**Hazard statements**

Causes skin irritation

Causes serious eye damage

May cause an allergic skin reaction

May cause cancer

Causes damage to organs through prolonged or repeated exposure

Flammable liquid and vapor



Appearance opaque

Physical state liquid

Odor aromatic

**Precautionary Statements****Prevention**

Obtain special instructions before use

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

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

Do not breathe dust/fume/gas/mist/vapors/spray

Do not eat, drink or smoke when using this product

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/mixing/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

**Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

If skin irritation or rash occurs: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction**Storage**

Store locked up

Store in a well-ventilated place. Keep cool

Keep away from children

**Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information**

Cancer hazard. Contains crystalline silica which can cause cancer. (Risk of cancer depends on duration and level of exposure).

Toxic to aquatic life with long lasting effects

SEE SAFETY DATA SHEET

Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs

Exposure of sufficient duration to wet cement, or to dry cement on moist areas of the body, can cause serious, potentially irreversible tissue (skin, eye, respiratory tract) damage due to chemical (caustic) burns, including third degree burns

Acute Toxicity 36.90772 % of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No	Weight-%
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	10 - 30%

ALKYD RESIN	A001	10 - 30%
CALCIUM SILICATES AND ALUMINATES	65997-15-1	10 - 30%
SOLVENT NAPHTHA	64742-88-7	10 - 30%
STODDARD SOLVENT	64742-88-7	1 - 10%
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA	61790-53-2	1 - 10%
IRON OXIDE FUME	1309-37-1	1 - 10%
TALC (RESPIRABLE DUST)	14807-96-6	1 - 10%
VEGETABLE OIL MIST	8001-26-1	1 - 10%
GYPSUM	13397-24-5	1 - 10%
AMORPHOUS SILICA	7631-86-9	1 - 10%
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA	61790-53-2	0.1 - 1%
MAGNESIUM OXIDE	1309-48-4	0.1 - 1%
LIMESTONE	1317-65-3	0.1 - 1%
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	0.1 - 1%
SOYA LECITHIN	8030-76-0	0.1 - 1%
ALUMINUM OXIDES	1344-28-1	0.1 - 1%
ALUMINUM HYDROXIDE	21645-51-2	0.1 - 1%
CALCIUM OXIDE	1305-78-8	0.1 - 1%
METHYL ETHYL KETOXIME	96-29-7	0.1 - 1%
NON-HAZARDOUS MATERIAL	C341	0.1 - 1%
ZIRCONIUM OXIDE	1314-23-4	0.1 - 1%
CALCIUM CARBOXYLATE	53988-05-9	0.1 - 1%
ZIRCONIUM CARBOXYLATE	22464-99-9	0.1 - 1%
MINERAL SPIRITS (STODDARD SOLVENT)	8052-41-3	0.1 - 1%
ZINC CARBOXYLATE	136-53-8	0.1 - 1%
THIXATROPIC ADDITIVE	C389	0 - 0.1%
COBALT CARBOXYLATE	136-52-7	0 - 0.1%
ETHYL BENZENE	100-41-4	0 - 0.1%
SODIUM DODECYL SULPHATE	151-21-3	0 - 0.1%
ALIPHATIC PETROLEUM DISTILATES	64742-48-9	0 - 0.1%
MAGNESITE	546-93-0	0 - 0.1%
MINERAL SPIRITS	8052-41-3	0 - 0.1%
HYDROGENATED LIGHT DISTILLATE	64742-47-8	0 - 0.1%
CALCIUM MAGNESIUM CARBONATE	-	0 - 0.1%
CHLORITE	1318-59-8	0 - 0.1%

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	If symptoms persist, call a physician.
<b>Eye contact</b>	Flush immediately with large amounts of clean water under low pressure for at least 15 minutes. Consult a physician.
<b>Skin contact</b>	Wash affected area with soap and water. Remove contaminated clothing. Dispose of or launder accordingly. Consult a physician if skin irritation persists.
<b>Inhalation</b>	Remove affected individual to fresh air. Treat symptomatically. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Consult a physician.
<b>Ingestion</b>	If swallowed, do not induce vomiting. Get medical attention immediately.

**Self-protection of the first aider** Use personal protective equipment. Avoid contact with eyes, skin and clothing.

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

**Notes to physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO<sub>2</sub>). Dry powder. Dry chemical.

**Unsuitable extinguishing media** Water.

**Specific hazards arising from the chemical**

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**

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

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

**Personal precautions** Avoid contact with eyes, skin and clothing. Use personal protective equipment. Remove all sources of ignition.

**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** 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. Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Close container after each use. Avoid contact with eyes, skin 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.

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

**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.

**Incompatible products**

Water.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup>	5000 mg/m <sup>3</sup>
CALCIUM SILICATES AND ALUMINATES 65997-15-1	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>	5000 mg/m <sup>3</sup>
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2	-	TWA: 6 mg/m <sup>3</sup>	
IRON OXIDE FUME 1309-37-1	TWA: 5 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>	2500 mg/m <sup>3</sup>
TALC (RESPIRABLE DUST) 14807-96-6	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	1000 mg/m <sup>3</sup>
GYPSUM 13397-24-5	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	
AMORPHOUS SILICA 7631-86-9	-	TWA: 6 mg/m <sup>3</sup>	3000 mg/m <sup>3</sup>
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2	-	TWA: 6 mg/m <sup>3</sup>	
MAGNESIUM OXIDE 1309-48-4	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 15 mg/m <sup>3</sup>	750 mg/m <sup>3</sup>
LIMESTONE 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	TWA: 0.025 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>	50 mg/m <sup>3</sup>
ALUMINUM OXIDES 1344-28-1	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>	
ALUMINUM HYDROXIDE 21645-51-2	TWA: 1 mg/m <sup>3</sup>	-	
CALCIUM OXIDE 1305-78-8	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>
ZIRCONIUM OXIDE 1314-23-4	TWA: 5 mg/m <sup>3</sup>	-	25 mg/m <sup>3</sup>
ZIRCONIUM CARBOXYLATE 22464-99-9	TWA: 5 mg/m <sup>3</sup>	-	25 mg/m <sup>3</sup>
MINERAL SPIRITS (STODDARD SOLVENT) 8052-41-3	TWA: 100 ppm	TWA: 100 ppm TWA: 525 mg/m <sup>3</sup> TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>	20000 mg/m <sup>3</sup>
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>	800 ppm

MAGNESITE 546-93-0	-	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	
MINERAL SPIRITS 8052-41-3	TWA: 100 ppm	TWA: 100 ppm TWA: 525 mg/m <sup>3</sup> TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>	20000 mg/m <sup>3</sup>

**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**

<b>Eye/face protection</b>	Use chemical resistant splash type goggles. If splashes are likely to occur, wear face-shield.
<b>Skin and body protection</b>	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
<b>Respiratory protection</b>	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.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust created by cutting, sanding, or grinding. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	aromatic
<b>Appearance</b>	opaque	<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	
<b>Melting point / freezing point</b>		No data available	
<b>Boiling point / boiling range</b>	271 °C / 519.0 °F		
<b>Flash point</b>	38 °C / 100.0 °F	Pensky Martens - Closed Cup	
<b>Evaporation rate</b>		No data available	
<b>Flammability (solid, gas)</b>		No information available	
<b>Flammability Limit in Air</b>		No data available	
Upper flammability limit	N/A		
Lower flammability limit	N/A		
<b>Vapor pressure</b>		No data available	
<b>Vapor density</b>		No data available	
<b>Specific gravity</b>	1.49334	g/cm3	
<b>Water solubility</b>	Insoluble in cold water		
<b>Solubility in other solvents</b>		No data available	
<b>Partition coefficient: n-octanol/water</b>		No data available	
<b>Autoignition temperature</b>		No data available	
<b>Decomposition temperature</b>		No data available	
<b>Kinematic viscosity</b>		No data available	
<b>Dynamic viscosity</b>	950 centipoises	approx	

**Other Information**

<b>Density</b>	12.42685 lbs/gal
<b>Volatile organic compounds (VOC) content</b>	2.835 lbs/gal
<b>Total volatiles weight percent</b>	22.8140 %
<b>Total volatiles volume percent</b>	43.7159 %

## 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

Water

### 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 (CO<sub>2</sub>). Hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

<b>Inhalation</b>	IRRITATING TO RESPIRATORY SYSTEM. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
<b>Eye contact</b>	Causes serious eye damage.
<b>Skin contact</b>	CAUSES SKIN IRRITATION. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Ingestion</b>	Harmful if swallowed.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	> 10000 mg/kg ( Rat )		
SOLVENT NAPHTHA 64742-88-7	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
STODDARD SOLVENT 64742-88-7	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
IRON OXIDE FUME 1309-37-1	> 10000 mg/kg ( Rat )		
AMORPHOUS SILICA 7631-86-9	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	= 500 mg/kg ( Rat )		
ALUMINUM OXIDES 1344-28-1	> 5000 mg/kg ( Rat )		
ALUMINUM HYDROXIDE 21645-51-2	> 5000 mg/kg ( Rat )		
CALCIUM OXIDE 1305-78-8	= 500 mg/kg ( Rat )		
METHYL ETHYL KETOXIME 96-29-7	= 930 mg/kg ( Rat )	= 0.2 mg/kg ( Rabbit )	= 20 mg/L ( Rat ) 4 h

ETHYL BENZENE 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h
SODIUM DODECYL SULPHATE 151-21-3	= 977 mg/kg ( Rat )	= 580 mg/kg ( Rabbit )	> 3900 mg/m <sup>3</sup> ( Rat ) 1 h
ALIPHATIC PETROLEUM DISTILATES 64742-48-9	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	
HYDROGENATED LIGHT DISTILLATE 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Skin disorders.

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

**Chronic Toxicity** Cancer hazard. Contains crystalline silica which can cause cancer. (Risk of cancer depends on duration and level of exposure). Repeated contact may cause allergic reactions in very susceptible persons.

**Sensitization** May cause sensitization of susceptible persons.

**Mutagenicity** No information available.

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

Component	ACGIH	IARC	NTP	OSHA
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7		Group 2B		X
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2		Group 2A Group 3		
IRON OXIDE FUME 1309-37-1		Group 3		
TALC (RESPIRABLE DUST) 14807-96-6		Group 3		
AMORPHOUS SILICA 7631-86-9		Group 3		
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2		Group 2A Group 3		
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	A2	Group 1	Known	X
COBALT CARBOXYLATE 136-52-7		Group 2B		
ETHYL BENZENE 100-41-4	A3	Group 2B		X

**Reproductive effects** No information available.

**STOT - single exposure** No information available

**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure  
Target organ effects liver, kidney, respiratory system, Eyes, Skin, Central nervous system, Gastrointestinal tract, Central Vascular System (CVS), Lungs.

**Aspiration hazard** Based on product level data, this product does not meet the requirement to be classified as an aspiration hazard. However, this product contains an ingredient that may cause aspiration if swallowed.

**Acute Toxicity** 36.90772 % of the mixture consists of ingredient(s) of unknown toxicity.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

46.94287 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Component	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
SOLVENT NAPHTHA 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
STODDARD SOLVENT 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2		10000: 72 h Cyprinus carpio mg/L LC50	
TALC (RESPIRABLE DUST) 14807-96-6		100: 96 h Brachydanio rerio g/L LC50 semi-static	
AMORPHOUS SILICA 7631-86-9	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	5000: 96 h Brachydanio rerio mg/L LC50 static	7600: 48 h Ceriodaphnia dubia mg/L EC50
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2		10000: 72 h Cyprinus carpio mg/L LC50	
CALCIUM OXIDE 1305-78-8		1070: 96 h Cyprinus carpio mg/L LC50 static	
METHYL ETHYL KETOXIME 96-29-7	83: 72 h Desmodesmus subspicatus mg/L EC50	760: 96 h Poecilia reticulata mg/L LC50 static 320 - 1000: 96 h Leuciscus idus mg/L LC50 static 777 - 914: 96 h Pimephales promelas mg/L LC50 flow-through	750: 48 h Daphnia magna mg/L EC50
ETHYL BENZENE 100-41-4	4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 9.6: 96 h Poecilia reticulata mg/L LC50 static 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static	1.8 - 2.4: 48 h Daphnia magna mg/L EC50
SODIUM DODECYL SULPHATE 151-21-3	30 - 100: 96 h Desmodesmus subspicatus mg/L EC50 3.59 - 15.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 117: 96 h Pseudokirchneriella subcapitata mg/L EC50 53: 72 h Desmodesmus subspicatus mg/L EC50	22.1 - 22.8: 96 h Pimephales promelas mg/L LC50 static 4.2 - 4.8: 96 h Lepomis macrochirus mg/L LC50 flow-through 13.5 - 18.3: 96 h Poecilia reticulata mg/L LC50 semi-static 8 - 12.5: 96 h Pimephales promelas mg/L LC50 static 9.9 - 20.1: 96 h Brachydanio rerio mg/L LC50 semi-static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 10.2 - 22.5: 96 h Pimephales promelas mg/L LC50 semi-static 6.2 - 9.6: 96 h Pimephales promelas mg/L LC50 4.3 - 8.5: 96 h Oncorhynchus mykiss mg/L LC50 static 7.97: 96 h Brachydanio rerio mg/L LC50 flow-through 4.5: 96 h Lepomis macrochirus mg/L LC50 4.06 - 5.75: 96 h Lepomis macrochirus mg/L LC50 static 4.62: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 10.8 - 16.6: 96 h Poecilia reticulata mg/L LC50 static 1.31: 96 h Cyprinus carpio mg/L LC50 semi-static 15 - 18.9: 96 h Pimephales promelas mg/L LC50 static 5.8 - 7.5: 96 h Pimephales promelas mg/L LC50 static	1.8: 48 h Daphnia magna mg/L EC50
ALIPHATIC PETROLEUM DISTILATES 64742-48-9		2200: 96 h Pimephales promelas mg/L LC50	2.6: 96 h Chaetogammarus marinus mg/L LC50

HYDROGENATED LIGHT DISTILLATE 64742-47-8		45: 96 h Pimephales promelas mg/L LC50 flow-through 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 2.2: 96 h Lepomis macrochirus mg/L LC50 static	4720: 96 h Den-dronereides heteropoda mg/L LC50
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**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in Environmental Media**

Component	log Pow
METHYL ETHYL KETOXIME 96-29-7	0.65
ETHYL BENZENE 100-41-4	3.118
SODIUM DODECYL SULPHATE 151-21-3	1.6

**Other Adverse Effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****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 to an approved waste handling site for recycling or disposal.

Component	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
ETHYL BENZENE 100-41-4		Included in waste stream: F039		

Component	CAWAST
CALCIUM SILICATES AND ALUMINATES 65997-15-1	Special
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2	Toxic
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2	Toxic
CALCIUM OXIDE 1305-78-8	Corrosive
ZINC CARBOXYLATE 136-53-8	Toxic
COBALT CARBOXYLATE 136-52-7	Toxic
ETHYL BENZENE 100-41-4	Toxic Ignitable

**14. TRANSPORT INFORMATION****DOT**

Proper Shipping Name      paint in oil Not regulated

**IATA**

UN/ID no.	1263
Proper Shipping Name	paint
Hazard Class	3
Packing Group	III
ERG Code	366

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/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - 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

**The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):****Component HAPS Data**

COBALT CARBOXYLATE

ETHYL BENZENE

United States of America**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:

Component	SARA 313 - Threshold Values
ALUMINUM OXIDES - 1344-28-1	1.0
ZINC CARBOXYLATE - 136-53-8	1.0
COBALT CARBOXYLATE - 136-52-7	1.0
ETHYL BENZENE - 100-41-4	0.1

**SARA 311/312 Hazardous**Categorization

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

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
ZINC CARBOXYLATE 136-53-8		X		
ETHYL BENZENE 100-41-4	1000 lb	X	X	X

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs	RQ
ETHYL BENZENE 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

United States of AmericaCalifornia Prop. 65

WARNING! This product contains a chemical known in the State of California to cause cancer

Component	California Prop. 65
TITANIUM DIOXIDE (TOTAL DUST) - 13463-67-7	Carcinogen
CRYSTALLINE SILICA (QUARTZ) - 14808-60-7	Carcinogen
ETHYL BENZENE - 100-41-4	Carcinogen

California SCAQMD Rule 443

Contains Photochemically Reactive Solvent

State Right-to-Know

Component	New Jersey	Massachusetts	Pennsylvania
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	X	X	X
CALCIUM SILICATES AND ALUMINATES 65997-15-1	X	X	X
SOLVENT NAPHTHA 64742-88-7	X		
STODDARD SOLVENT 64742-88-7	X		
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2	X		
IRON OXIDE FUME 1309-37-1	X	X	X
TALC (RESPIRABLE DUST) 14807-96-6	X	X	X
VEGETABLE OIL MIST 8001-26-1			X
GYPSUM 13397-24-5	X		X
AMORPHOUS SILICA 7631-86-9	X	X	X
NATURAL DIATOMACEOUS EARTH - AMORPHOUS SILICA 61790-53-2	X		
MAGNESIUM OXIDE 1309-48-4	X	X	X
LIMESTONE 1317-65-3	X	X	X
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	X	X	X
ALUMINUM OXIDES 1344-28-1	X	X	X
CALCIUM OXIDE 1305-78-8	X	X	X
ZIRCONIUM OXIDE 1314-23-4		X	
MINERAL SPIRITS (STODDARD SOLVENT) 8052-41-3	X	X	X
ZINC CARBOXYLATE 136-53-8	X		X

COBALT CARBOXYLATE 136-52-7	X		X
ETHYL BENZENE 100-41-4	X	X	X
MAGNESITE 546-93-0	X	X	
MINERAL SPIRITS 8052-41-3	X	X	X

## 16. OTHER INFORMATION

<u>NFPA</u>	Health 2	Flammability 2	Instability 1	Physical hazard *
<u>HMIS (Hazardous Material Information System)</u>	Health 2*	Flammability 2	Reactivity 1	

**Prepared By** Tnemec Regulatory Dept: 816-474-3400  
**Revision Date** 18-Dec-2014

**Revision Summary**  
 9 4 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 MSDS**