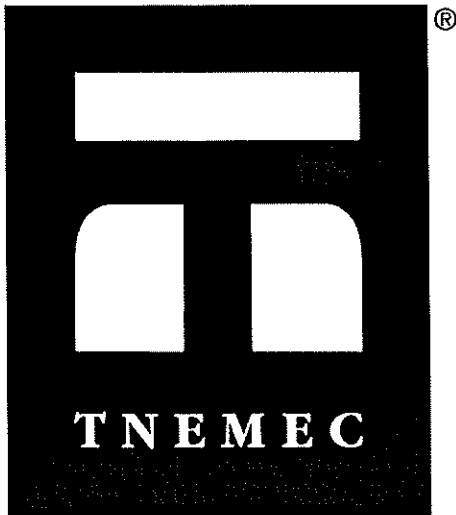


# Safety Data Sheet



Issue Date 15-Feb-2023

Revision Date 15-Feb-2023

Revision Number 8

## 1. IDENTIFICATION

### Product identifier

Product Code 0066-00WHA  
Product Name H-B EPOXOLINE TNEMEC WHITE

### Other means of identification

Common Name SERIES 66, PART A  
UN/ID no. 1263  
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, Québec 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 considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

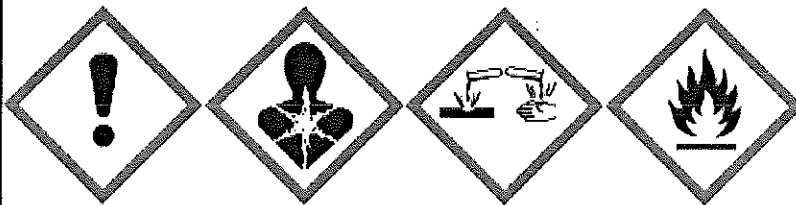
Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
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  
 Suspected of causing cancer  
 Suspected of damaging fertility or the unborn child  
 May cause respiratory irritation. May cause drowsiness or dizziness  
 Causes damage to organs through prolonged or repeated exposure  
 Flammable liquid and vapor

**Appearance** viscous liquid 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  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Contaminated work clothing should not be allowed out of the workplace  
 Wear protective gloves  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Use explosion-proof electrical/ventilating/lighting/mixing/equipment  
 Keep cool

**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  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 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 container tightly closed

**Disposal**

Dispose of contents/container to an approved waste disposal plant

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

Harmful to aquatic life with long lasting effects

SEE SAFETY DATA SHEET

Acute Toxicity

14.13200652 % of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
BARIUM SULFATE (TOTAL DUST)	7727-43-7	10 - <30%
TITANIUM DIOXIDE (TOTAL DUST)	13463-67-7	10 - <30%
POLYAMIDE RESIN	68410-23-1	10 - <30%
Trade secret	-	10 - <30%
XYLENE	1330-20-7	10 - <30%
N-BUTANOL (SKIN)	71-36-3	1 - <10%
ETHYL BENZENE	100-41-4	1 - <10%
ETHYL BENZENE	100-41-4	1 - <10%
AMORPHOUS SILICA	7631-86-9	1 - <10%
ALUMINUM OXIDES	1344-28-1	0.1 - <1%
ALUMINUM HYDROXIDE	21645-51-2	0.1 - <1%
BENZENE, 1,3-DIMETHYL	108-38-3	0.1 - <1%
STRONTIUM SULFATE	7759-02-6	0.1 - <1%
THICKENING AGENT	C036	0.1 - <1%
MODIFIED HYDROGENATED CASTOR OIL	C048	0.1 - <1%
ZIRCONIUM OXIDE	1314-23-4	0.1 - <1%
MAGNESITE	546-93-0	0.1 - <1%
BENZENE, 1,4-DIMETHYL	106-42-3	0 - <0.1%
BENZENE, 1,2-DIMETHYL	95-47-6	0 - <0.1%
CALCIUM MAGNESIUM CARBONATE	-	0 - <0.1%
CHLORITE	1318-59-8	0 - <0.1%
CRYSTALLINE SILICA (QUARTZ)	14808-60-7	0 - <0.1%
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	0 - <0.1%
PROPRIETARY	R091	0 - <0.1%
RED PIGMENT	R091	0 - <0.1%
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	0 - <0.1%
PARAFFINIC SOLVENT	64742-47-8	0 - <0.1%
ALIPHATIC PETROLEUM DISTILLATES (MINERAL OILS)	64742-88-7	0 - <0.1%
PROPRIETARY	BL038	0 - <0.1%
PHTHALO BLUE	12239-87-1	0 - <0.1%
HYDROSULFURIZED PETROLEUM DISTILLATE, MIDDLE	64742-80-9	0 - <0.1%
C.I. PIGMENT BLUE 15:1	68987-63-3	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**

General advice	If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a physician immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	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**

Carbon dioxide. Foam. Dry chemical.

Unsuitable extinguishing media    Water.

**Specific hazards arising from the chemical**

Flammable liquid 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. Carbon oxides. Hydrocarbons. Nitrogen oxides (NOx). Aldehydes.

**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**                      Use personal protective equipment. Avoid contact with eyes, skin and clothing. Remove all sources of ignition. Ensure adequate ventilation.

**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.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Do not breathe vapours or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. Do not ingest. 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**

Strong oxidizing agents. Acids. Cleaning solutions such as Chromerge and Aqua Regia. Water, alcohols, amines, strong bases, metal components, surface active materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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	
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>
Trade secret	TWA: 2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	-	1000 mg/m <sup>3</sup>
XYLENE 1330-20-7	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	
N-BUTANOL (SKIN) 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m <sup>3</sup>	1400 ppm
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	800 ppm
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	800 ppm
AMORPHOUS SILICA 7631-86-9	-	-	3000 mg/m <sup>3</sup>
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	
ALUMINUM HYDROXIDE 21645-51-2	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	-	
BENZENE, 1,3-DIMETHYL 108-38-3	TWA: 20 ppm	-	900 ppm
ZIRCONIUM OXIDE 1314-23-4	TWA: 5 mg/m <sup>3</sup>	-	25 mg/m <sup>3</sup>
BENZENE, 1,4-DIMETHYL	TWA: 20 ppm	-	900 ppm

106-42-3			
BENZENE, 1,2-DIMETHYL 95-47-6	TWA: 20 ppm	-	900 ppm
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
PHTHALO BLUE 12239-87-1	TWA: 1 mg/m <sup>3</sup> dust and mist	-	100 mg/m <sup>3</sup> dust and mist
C.I. PIGMENT BLUE 15:1 68987-63-3	TWA: 1 mg/m <sup>3</sup> dust and mist	-	100 mg/m <sup>3</sup> dust and mist

**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**

Use chemical resistant splash type goggles. If splashes are likely to occur, wear face-shield.

**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**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical state	liquid	Odor	aromatic
Appearance	viscous liquid opaque	Odor threshold	No information available
Color	opaque		
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	
pH			
Melting point / freezing point	No data available		
Boiling point / boiling range			
Flash point	28 °C / 82.4 °F	Pensky Martens - Closed Cup	
Evaporation rate			
Flammability (solid, gas)	No data available		
Flammability Limit in Air			
Upper flammability limit	NA		
Lower flammability limit	NA		
Vapor pressure			
Vapor density			
Specific gravity	1.7125		
Water solubility	insoluble		
Solubility in other solvents			
Partition coefficient: n-octanol/water			
Autoignition temperature	No data available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		

Dynamic viscosity

Other Information

Molecular weight No information available  
 Density 14.28229 lbs/gal  
 Volatile organic compounds (VOC) 3.1421 lbs/gal  
 content  
 Total volatiles weight percent 22 %  
 Total volatiles volume percent 44.57 %  
 Bulk density 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. Epoxy constituents.

Incompatible materials

Strong oxidizing agents, Acids, Cleaning solutions such as Chromerge and Aqua Regia, Water, alcohols, amines, strong bases, metal components, surface active materials

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 oxides. Hydrocarbons. Aldehydes. Nitrogen oxides (NOx).

**11. TOXICOLOGICAL INFORMATION**Information on Likely Routes of Exposure

**Inhalation** Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing. Vapors may irritate throat and respiratory system.

**Eye contact** Causes serious eye damage.

**Skin contact** Irritating to skin. May cause sensitization by skin contact.

**Ingestion** Harmful if swallowed.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
BARIUM SULFATE (TOTAL DUST) 7727-43-7	= 307000 mg/kg ( Rat )	-	-
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	> 10000 mg/kg ( Rat )	-	= 5.09 mg/L ( Rat ) 4 h
POLYAMIDE RESIN 68410-23-1	-	> 2000 mg/kg ( Rat )	-
XYLENE 1330-20-7	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h
N-BUTANOL (SKIN) 71-36-3	= 700 mg/kg ( Rat )	= 3402 mg/kg ( Rabbit )	> 8000 ppm ( Rat ) 4 h
ETHYL BENZENE	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L ( Rat ) 4 h

100-41-4			
ETHYL BENZENE 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.4 mg/L ( Rat ) 4 h
AMORPHOUS SILICA 7631-86-9	= 7900 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 58.8 mg/L ( Rat ) 4 h
ALUMINUM OXIDES 1344-28-1	> 5000 mg/kg ( Rat )	-	-
ALUMINUM HYDROXIDE 21645-51-2	> 5000 mg/kg ( Rat )	-	-
BENZENE, 1,3-DIMETHYL 108-38-3	= 5 g/kg ( Rat )	= 12.18 g/kg ( Rabbit )	= 27124 mg/m <sup>3</sup> ( Rat ) 4 h
ZIRCONIUM OXIDE 1314-23-4		-	> 4.3 mg/L ( Rat ) 4 h
BENZENE, 1,4-DIMETHYL 106-42-3	= 4029 mg/kg ( Rat )	= 12126 mg/kg ( Rabbit )	= 4740 ppm ( Rat ) 4 h
BENZENE, 1,2-DIMETHYL 95-47-6	= 3608 mg/kg ( Rat )	= 14100 mg/kg ( Rabbit )	= 4330 ppm ( Rat ) 6 h
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE 108-65-6	= 8532 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 16000 mg/m <sup>3</sup> ( Rat ) 6 h
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE 108-65-6	= 8532 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 16000 mg/m <sup>3</sup> ( Rat ) 6 h
PARAFFINIC SOLVENT 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
ALIPHATIC PETROLEUM DISTILLATES (MINERAL OILS) 64742-88-7	> 25 mL/kg ( Rat )	> 4000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
HYDROSULFURIZED PETROLEUM DISTILLATE, MIDDLE 64742-80-9	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 4.6 mg/L ( Rat ) 4 h

Information on toxicological effects**Symptoms**

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Skin disorders. Irritating to eyes and skin. May cause respiratory irritation.

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

Avoid repeated exposure. Prolonged exposure may cause chronic effects. Contains a known or suspected reproductive toxin. Contains a known or suspected carcinogen. Eye Damage.

**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.

Chemical name	ACGIH	IARC	NTP	OSHA
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	A3	Group 2B	-	X
Trade secret		Group 3	-	
XYLENE 1330-20-7		Group 3	-	
ETHYL BENZENE 100-41-4	A3	Group 2B	-	X
ETHYL BENZENE 100-41-4	A3	Group 2B	-	X
AMORPHOUS SILICA 7631-86-9		Group 3	Known	
BENZENE, 1,3-DIMETHYL 108-38-3		Group 3	-	
BENZENE, 1,4-DIMETHYL 106-42-3		Group 3	-	



BENZENE, 1,2-DIMETHYL 95-47-6		Group 3	-	
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	A2	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

<b>Reproductive effects</b>	Suspected of damaging fertility or the unborn child.
<b>STOT - single exposure</b>	May cause disorder and damage to the, Eyes, Skin, Central Nervous System (CNS)
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure
<b>Target organ effects</b>	blood, Central nervous system, Central Vascular System (CVS), Gastrointestinal tract, Eyes, kidney, liver, respiratory system, Skin.
<b>Aspiration hazard</b>	Risk of serious damage to the lungs (by aspiration).
<b>Acute Toxicity</b>	14.13200652 % of the mixture consists of ingredient(s) of unknown toxicity. mg/kg mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects

16.02679 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia
Trade secret	-	100: 96 h Brachydanio rerio g/L LC50 semi-static	-
XYLENE 1330-20-7	-	LC50= 13.4 mg/L Pimephales promelas 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50= 19 mg/L Lepomis macrochirus 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50= 780 mg/L Cyprinus carpio 96 h LC50>,780 mg/L Cyprinus carpio 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h	EC50 = 3.82 mg/L 48 h LC50 = 0.6 mg/L 48 h
N-BUTANOL (SKIN) 71-36-3	500: 72 h Desmodemus subspicatus mg/L EC50 500: 96 h Desmodemus subspicatus mg/L EC50	100000 - 500000: 96 h Lepomis macrochirus µg/L LC50 static 1730 - 1910: 96 h Pimephales promelas mg/L LC50 static 1740: 96 h Pimephales promelas mg/L LC50 flow-through 1910000: 96 h Pimephales promelas µg/L LC50 static	1897 - 2072: 48 h Daphnia magna mg/L EC50 Static 1983: 48 h Daphnia magna mg/L EC50
ETHYL BENZENE 100-41-4	1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 9.6: 96 h Poecilia	1.8 - 2.4: 48 h Daphnia magna mg/L EC50

		reticulata mg/L LC50 static	
ETHYL BENZENE 100-41-4	1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 9.6: 96 h Poecilia reticulata mg/L LC50 static	1.8 - 2.4: 48 h Daphnia magna mg/L EC50
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
BENZENE, 1,3-DIMETHYL 108-38-3	4.9: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	14.3 - 18: 96 h Pimephales promelas mg/L LC50 flow-through 12.9: 96 h Poecilia reticulata mg/L LC50 semi-static 8.4: 96 h Oncorhynchus mykiss mg/L LC50 semi-static	2.81 - 5.0: 48 h Daphnia magna mg/L EC50 Static
ZIRCONIUM OXIDE 1314-23-4		100: 96 h Danio rerio mg/L LC50 static	-
BENZENE, 1,4-DIMETHYL 106-42-3	3.2: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	7.2 - 9.9: 96 h Pimephales promelas mg/L LC50 static 2.6: 96 h Oncorhynchus mykiss mg/L LC50 2.6: 96 h Oncorhynchus mykiss mg/L LC50 static 8.8: 96 h Poecilia reticulata mg/L LC50 semi-static	3.55 - 6.31: 48 h Daphnia magna mg/L EC50 Static
BENZENE, 1,2-DIMETHYL 95-47-6	4.7: 72 h Pseudokirchneriella subcapitata mg/L EC50 static	11.6 - 22.4: 96 h Lepomis macrochirus mg/L LC50 flow-through 11.6 - 22.4: 96 h Pimephales promelas mg/L LC50 flow-through 5.59 - 11.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12: 96 h Poecilia reticulata mg/L LC50	0.78 - 2.51: 48 h Daphnia magna mg/L EC50 Static 2.61 - 5.59: 48 h Daphnia magna mg/L EC50 Flow through 3.2: 48 h Daphnia magna mg/L EC50
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE 108-65-6	-	161: 96 h Pimephales promelas mg/L LC50 static	500: 48 h Daphnia magna mg/L EC50
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE 108-65-6	-	161: 96 h Pimephales promelas mg/L LC50 static	500: 48 h Daphnia magna mg/L EC50
PARAFFINIC SOLVENT 64742-47-8	-	2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through	-
ALIPHATIC PETROLEUM DISTILLATES (MINERAL OILS) 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
HYDROSULFURIZED PETROLEUM DISTILLATE, MIDDLE 64742-80-9		35: 96 h Pimephales promelas mg/L LC50 flow-through	-

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in Environmental Media**

Chemical name	log Pow
XYLENE 1330-20-7	2.77
N-BUTANOL (SKIN) 71-36-3	0.785
ETHYL BENZENE	3.118

100-41-4	
ETHYL BENZENE 100-41-4	3.6
BENZENE, 1,3-DIMETHYL 108-38-3	3.2
BENZENE, 1,4-DIMETHYL 106-42-3	3.15
BENZENE, 1,2-DIMETHYL 95-47-6	3.12
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE 108-65-6	0.43
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE 108-65-6	0.43
C.I. PIGMENT BLUE 15:1 68987-63-3	-0.88 - -0.4

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.

#### US EPA Waste Number

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
XYLENE 1330-20-7		Included in waste stream: F039		U239
N-BUTANOL (SKIN) 71-36-3		Included in waste stream: F039		U031
ETHYL BENZENE 100-41-4		Included in waste stream: F039		
ETHYL BENZENE 100-41-4		Included in waste stream: F039		

#### California Hazardous Waste Status

Chemical name	CAWAST
XYLENE 1330-20-7	Toxic Ignitable
N-BUTANOL (SKIN) 71-36-3	Toxic
ETHYL BENZENE 100-41-4	Toxic Ignitable
ETHYL BENZENE 100-41-4	Toxic Ignitable
PHTHALO BLUE 12239-87-1	Toxic
C.I. PIGMENT BLUE 15:1 68987-63-3	Toxic

### 14. TRANSPORT INFORMATION

**DOT**

UN/ID no. 1263  
 Proper Shipping Name PAINT  
 Hazard Class 3  
 Packing Group III  
 Emergency Response Guide Number 128

**Additional Information**

Call TNE MEC 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 Complies  
 KECL Does Not Comply  
 PICCS Does Not Comply  
 AICS Complies

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

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

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

Chemical name	HAPS Data
XYLENE	
ETHYL BENZENE	
ETHYL BENZENE	
BENZENE, 1,3-DIMETHYL	
BENZENE, 1,4-DIMETHYL	
BENZENE, 1,2-DIMETHYL	

**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 and Title 40n of the Code of Federal Regulations, Part 372:

Chemical name	SARA 313 - Threshold Values
BARIUM SULFATE (TOTAL DUST) - 7727-43-7	1.0
XYLENE - 1330-20-7	1.0
N-BUTANOL (SKIN) - 71-36-3	1.0
ETHYL BENZENE - 100-41-4	0.1
ETHYL BENZENE - 100-41-4	0.1
ALUMINUM OXIDES - 1344-28-1	1.0
BENZENE, 1,3-DIMETHYL - 108-38-3	1.0
BENZENE, 1,4-DIMETHYL - 106-42-3	1.0
BENZENE, 1,2-DIMETHYL - 95-47-6	1.0
PHTHALO BLUE - 12239-87-1	1.0
C.I. PIGMENT BLUE 15:1 - 68987-63-3	1.0

**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

**Clean Water Act**

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
XYLENE 1330-20-7	100 lb			X
ETHYL BENZENE 100-41-4	1000 lb	X	X	X
ETHYL BENZENE 100-41-4	1000 lb	X	X	X
BENZENE, 1,3-DIMETHYL 108-38-3				X
BENZENE, 1,4-DIMETHYL 106-42-3				X
BENZENE, 1,2-DIMETHYL 95-47-6				X
PHTHALO BLUE 12239-87-1		X		
C.I. PIGMENT BLUE 15:1 68987-63-3		X		

**CERCLA**

Chemical name	Hazardous Substances RQs	CERCLA EHS RQs	RQ
XYLENE 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
N-BUTANOL (SKIN) 71-36-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
ETHYL BENZENE 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
ETHYL BENZENE 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
BENZENE, 1,3-DIMETHYL 108-38-3	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
BENZENE, 1,4-DIMETHYL 106-42-3	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
BENZENE, 1,2-DIMETHYL 95-47-6	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**California Prop. 65**

**WARNING:** This product can expose you to the following chemicals which are known to the State of California to cause cancer.  
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
ETHYL BENZENE - 100-41-4	Carcinogen
ETHYL BENZENE - 100-41-4	Carcinogen
AMORPHOUS SILICA - 7631-86-9	Carcinogen
CRYSTALLINE SILICA (QUARTZ) - 14808-60-7	Carcinogen

California SCAQMD Rule 443  
Contains Photochemically Reactive Solvent

**State Right-to-Know**

Chemical name	New Jersey	Massachusetts	Pennsylvania
BARIUM SULFATE (TOTAL DUST) 7727-43-7	X	X	X
TITANIUM DIOXIDE (TOTAL DUST) 13463-67-7	X	X	X
Trade secret	X	X	X
XYLENE 1330-20-7	X	X	X
N-BUTANOL (SKIN) 71-36-3	X	X	X
ETHYL BENZENE 100-41-4	X	X	X
ETHYL BENZENE 100-41-4	X	X	X
AMORPHOUS SILICA 7631-86-9		X	X
ALUMINUM OXIDES 1344-28-1	X	X	X
BENZENE, 1,3-DIMETHYL 108-38-3	X	X	X
ZIRCONIUM OXIDE 1314-23-4		X	
MAGNESITE 546-93-0	X	X	
BENZENE, 1,4-DIMETHYL 106-42-3	X	X	X
BENZENE, 1,2-DIMETHYL 95-47-6	X	X	X
CRYSTALLINE SILICA (QUARTZ) 14808-60-7	X	X	X
PHTHALO BLUE 12239-87-1	X		X
C.I. PIGMENT BLUE 15:1 68987-63-3	X		X

**16. OTHER INFORMATION**

**NFPA** Health 2 Flammability 3 Instability 1 Physical hazard \*  
**HMIS (Hazardous Material Information System)** Health 2\* Flammability 3 Reactivity 1

Chronic Hazard Star Legend \* = Chronic Health Hazard

Prepared By Tnemec Regulatory Dept: 816-474-3400  
 Revision Date 15-Feb-2023  
 Revision Summary  
 4 5 6 7 10 8 9 11 14 2 13 15

**Disclaimer**  
 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 and/or environmental hazards and should be used with caution.

End of SDS