



# Material Safety Data Sheet

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Common name SERIES 66 PART B  
Product code B066-0066B  
Trade name F65/66/160/161 CONVERTER  
Product Class EPOXY PAINT

Manufacturer Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372  
Emergency telephone 800-535-5053 (INFOTRAC) - TNEMEC REGULATORY DEPT: 816-474-3400

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

#### **DANGER!**

FLAMMABLE LIQUID AND VAPOR  
THE PRODUCT CAUSES BURNS OF EYES, SKIN AND MUCOUS MEMBRANES  
HARMFUL OR FATAL IF SWALLOWED  
HARMFUL IF INHALED  
MAY CAUSE ALLERGIC SKIN REACTION; EFFECTS MAY BE PERMANENT  
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. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

##### Inhalation

Irritating to respiratory system.

##### Ingestion

May be harmful if swallowed.

#### 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.

See Section 11 for additional Toxicological information.

#### Aggravated Medical Conditions

Central nervous system. Kidney disorders. Liver disorders. Skin disorders. Gastrointestinal tract. Respiratory disorders.

#### Interactive effects

Use of alcoholic beverages may enhance toxic effects.

**Potential environmental effects** See Section 12 for additional Ecological Information.

**Target Organ Effects** Central nervous system, Central Vascular System (CVS), Eyes, Kidney, Liver, Respiratory system, Skin, Blood, Gastrointestinal tract

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous Components

Component	CAS-No	Weight %
TALC (RESPIRABLE DUST)	14807-96-6	30 - 60
EPOXY RESIN (LER)	67924-34-9	10 - 30
METHYL ISOBUTYL KETONE	108-10-1	10 - 30
EPOXY RESIN (LER)	25085-99-8	10 - 30
DIMETHYLBENZENE	-	10 - 30
ETHYL BENZENE	100-41-4	0.1 - 1

### 4. FIRST AID MEASURES

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes.

**Skin contact:** Wash off immediately with soap and plenty of water.

**Ingestion:** If swallowed, do not induce vomiting. Get medical attention immediately.

**Inhalation:** Move to fresh air. Oxygen or artificial respiration if needed.

### 5. FIRE-FIGHTING MEASURES

**Flammable properties** Flammable.

**Suitable extinguishing media** 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

**Hazardous decomposition products** Oxides of carbon, hydrocarbons. Aldehydes.

#### 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.

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

**Environmental precautions** 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. VAPORS MAY CAUSE FLASH FIRE. Use only in an area containing flame proof equipment. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. 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)
TALC (RESPIRABLE DUST)	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
METHYL ISOBUTYL KETONE	TWA: 20 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 75 ppm STEL: 300 mg/m <sup>3</sup> TWA: 100 ppm TWA: 410 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 75 ppm STEL: 307 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 75 ppm STEL: 307 mg/m <sup>3</sup>
DIMETHYLBENZENE	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 150 ppm STEL: 655 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 150 ppm STEL: 651 mg/m <sup>3</sup>	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 150 ppm STEL: 655 mg/m <sup>3</sup>
ETHYL BENZENE	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 434 mg/m <sup>3</sup> STEL: 125 ppm STEL: 543 mg/m <sup>3</sup>	TWA: 100 ppm STEL: 125 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>

**Engineering measures**

Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment**

**Skin protection**

Lightweight protective clothing, Apron, Impervious gloves

**Eye/face protection**

If splashes are likely to occur, wear Goggles.

**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**

18 °C / 64.0 °F

**Boiling range**

- °C / - °F

**Upper explosion limit**

No information available

**Lower explosion limit**

No information available

Evaporation rate	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.28267 g/cm3
Density	10.67371 lbs/gal
Volatile organic compounds (VOC) content	2.896 lbs/gal
Volatile by weight	27.1250 %
Volatile by volume	42.0116 %

## 10. STABILITY AND REACTIVITY

Chemical stability	Stable.	Conditions to avoid	Heat, flames and sparks. Amines. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible products	Strong oxidizing agents. Bases. Acids. Amines.	Possibility of hazardous reactions	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
METHYL ISOBUTYL KETONE	2080 mg/kg ( Rat )	16000 mg/kg ( Rabbit )	8.2 mg/L ( Rat ) 4 h
DIMETHYLBENZENE	4300 mg/kg ( Rat )	1700 mg/kg ( Rabbit )	47635 mg/L ( Rat ) 4 h 5000 ppm ( Rat ) 4 h
ETHYL BENZENE	3500 mg/kg ( Rat )	15354 mg/kg ( Rabbit )	17.2 mg/L ( Rat ) 4 h

Irritation	No information available
Corrosivity	No information available.
Sensitization	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
METHYL ISOBUTYL KETONE	A3				
ETHYL BENZENE	A3	Group 2B		X	

Mutagenicity	No information available.
Reproductive effects	No information available.
Developmental effects	No information available.
Teratogenicity	No information available.
Target Organ Effects	Central nervous system, Central Vascular System (CVS), Eyes, Kidney, Liver, Respiratory system, Skin, Blood, Gastrointestinal tract.

#### Endocrine Disruptor Information

No information available

Component	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
EPOXY RESIN (LER) 25085-99-8 ( 10 - 30 )	Group III Chemical		

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Component	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia
TALC (RESPIRABLE DUST)		LC50> 100 g/L Brachydanio rerio 96 h		
METHYL ISOBUTYL KETONE	EC50 = 400 mg/L 96 h	LC50 496 - 514 mg/L Pimephales promelas 96 h	EC50 = 79.6 mg/L 5 min	EC50 = 170 mg/L 48 h
DIMETHYLBENZENE		LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50= 13.4 mg/L Pimephales promelas 96 h LC50= 19 mg/L Lepomis macrochirus 96 h LC50= 780 mg/L Cyprinus carpio 96 h LC50> 780 mg/L Cyprinus carpio 96 h	EC50 = 0.0084 mg/L 24 h	LC50 = 0.6 mg/L 48 h EC50 = 3.82 mg/L 48 h
ETHYL BENZENE	EC50 = 4.6 mg/L 72 h EC50 > 438 mg/L 96 h EC50 2.6 - 11.3 mg/L 72 h EC50 1.7 - 7.6 mg/L 96 h	LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96 h LC50 7.55 - 11 mg/L Pimephales promelas 96 h LC50 9.1 - 15.6 mg/L Pimephales promelas 96 h LC50= 32 mg/L Lepomis macrochirus 96 h LC50= 4.2 mg/L Oncorhynchus mykiss 96 h LC50= 9.6 mg/L Poecilia reticulata 96 h	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 1.8 - 2.4 mg/L 48 h

### 13. DISPOSAL CONSIDERATIONS

Waste disposal methods

STORAGE AND DISPOSAL.

Contaminated packaging

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

### 14. TRANSPORT INFORMATION

DOT

Ground Transportation Only. Call TNEMEC Traffic Department - 816-474-3400 for other modes of Transportation.

Proper shipping name

UN1263,PAINT,3,PGIII,ERG 128

### 15. REGULATORY INFORMATION

#### International Inventories

TSCA

Complies

DSL/NDL

Complies

EINECS/ELINCS

Does not Comply

CHINA	Complies
ENCS	Does not Comply
KECL	Complies
PICCS	Complies
AICS	Does not Comply

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

Component HAPS Data

METHYL ISOBUTYL KETONE

DIMETHYLBENZENE

ETHYL BENZENE

United States of America Federal Regulations

#### SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values
METHYL ISOBUTYL KETONE	108-10-1	10 - 30	1.0
DIMETHYLBENZENE		10 - 30	1.0
ETHYL BENZENE	100-41-4	0.1 - 1	0.1

#### SARA 311/312 Hazardous Categorization

Chronic Health Hazard	yes
Acute 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
DIMETHYLBENZENE ( 10 - 30 )	100 lb			X
ETHYL BENZENE 100-41-4 ( 0.1 - 1 )	1000 lb	X	X	X

#### CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
METHYL ISOBUTYL KETONE	5000 lb	
DIMETHYLBENZENE	100 lb	
ETHYL BENZENE	1000 lb	

#### United States of America State Regulations

#### California Prop. 65

This product contains the following Proposition 65 chemicals:

Component	CAS-No	California Prop. 65
ETHYL BENZENE	100-41-4	Carcinogen

#### State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
TALC (RESPIRABLE DUST)	X	X	X		X
METHYL ISOBUTYL KETONE	X	X	X	X	X
DIMETHYLBENZENE	X	X	X	X	X
ETHYL BENZENE	X	X	X	X	X

Other international regulations

Canada

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**WHMIS Classification**

B2 Flammable liquid

D2A Very toxic materials



Component	NPRI
METHYL ISOBUTYL KETONE	Part 1, Group 1 Substance; Part 5 Substance
DIMETHYLBENZENE	Part 1, Group 1 Substance; Part 5 Substance
ETHYL BENZENE	Part 1, Group 1 Substance

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION**

Prepared By Tnemec Co. Inc.

Revision Date 30-Dec-2011

Revision Note No information available

HMIS (Hazardous Material Information System)      Health 2      Flammability 3      Reactivity 1

**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 or 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

