

# Safety Data Sheet

AVM Industries Inc.

Version 1.1      Revision Date 8-5-15

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer 400 Part A    Product Code: 400 Primer Part A

### **AVM Industries, Inc.**

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

### **Emergency Contact:**

**AVM Industries, Inc.**

**Tel: (818) 888-0050**

## 2. HAZARDS IDENTIFICATION

### **GHS Ratings:**

Skin sensitizer

1

Skin sensitizer

### **GHS Hazards**

H317

May cause an allergic skin reaction

### **GHS Precautions**

P261

Avoid breathing dust, mist, or vapours

P272

Contaminated work clothing should not be allowed out of the workplace

P280

Wear protective gloves, protective clothing, eye protection, and face protection

P321

Specific treatment (see first aid instructions on SDS and on this label)

P363

Wash contaminated clothing before reuse

P302+P352

IF ON SKIN: Wash with soap and water

P333+P313

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

P501

Dispose contents/containers in accordance with local, state and federal regulations.

**Signal Word: Warning**



## 3. COMPOSITION/FORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	26.00%

## 4. FIRST AID MEASURES

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

## 5. FIREFIGHTING MEASURES

Flash Point: 249 C (480 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Do not enter fire area without proper protective equipment, including respiratory protection

## 6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

## 7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bis-, homopolymer 25085-99-8	OELs not established	OELs not established	Not Established

Use explosion-proof equipment with flammable materials.

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Liquid	<b>Odor:</b> Slight
<b>Vapor Pressure:</b> 19.3 mmHG at 70F	<b>Odor threshold:</b> Not Available
<b>Vapor Density:</b> -99999.0	<b>pH:</b> Not Available
<b>Density:</b> 1.05	<b>Melting point:</b> Not Available
<b>Freezing point:</b> Not Available	<b>Solubility:</b> Not Available
<b>Boiling range:</b> 100°C	<b>Flash point:</b> 480 F, 248 C
<b>Evaporation rate:</b> Not Available	<b>Flammability:</b> Not Available
<b>Explosive Limits:</b> Not Available	<b>Partition coefficient (n-octanol/water):</b> Not Available
<b>Autoignition temperature:</b> Not Available	<b>Decomposition temperature:</b> Not Available
<b>Viscosity:</b> Not Available	<b>Grams VOC/liter less water:</b> 0.23

## 10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable

Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

Toxicological Routes of Entry

**Ingestion**

Specific Target Organs Toxicology

**No Data Available / Not Applicable**

Effects of Overexposure

Carcinogenicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data Available / Not Applicable

**12. ECOLOGICAL INFORMATION**

No data available

**Component Ecotoxicity**

**13. DISPOSAL CONSIDERATIONS**

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

**14. TRANSPORT INFORMATION**

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IMDG	Not regulated for transport			
IATA	Not regulated for transport			

**15. REGULATORY INFORMATION**

U.S. Federal Regulations

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

67-56-1 Methyl alcohol Reproductive Toxin

The following chemicals are reportable under Sara 313

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	Toxic Substances Control Act (listed or exempt)	Yes

**16. OTHER INFORMATION**

*This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE*

*LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.*

Reviewer Revision

Date Prepared: 9/22/2015

# Safety Data Sheet

AVM Industries Inc.

Version 1.1      Revision Date 8-5-15

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Primer 400 Part B    Product Code: 400 Primer Part B

### **AVM Industries, Inc.**

8245 Remmet Ave, Canoga Park CA 91304-4133

Tel: (818) 888-0050

www.avmindustries.com

### **Emergency Contact:**

**AVM Industries, Inc.**

**Tel: (818) 888-0050**

## 2. HAZARDS IDENTIFICATION

### **GHS Ratings:**

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity $\geq 3$ , Iritis $> 1.5$
Skin sensitizer	1	Skin sensitizer

### **GHS Hazards**

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

### **GHS Precautions**

P261	Avoid breathing dust, mist, or vapours
P264	Wash hands, forearms and face thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves, protective clothing, eye protection, and face protection
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see first aid instructions on SDS and on this label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P501	Dispose contents/containers in accordance with local, state and federal regulations.

**Signal Word: Danger**



### 3. COMPOSITION/IFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Polyamine Polymer	Polyamine Polymer	19.00%
Propylene glycol diamine, 2-amino-, diether with Propylene	9046-10-0	2.00%
Tetraethylenepentamine	112-57-2	1.00% - 5.00%

### 4. FIRST AID MEASURES

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.

IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

First-aid measures general: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

### 5. FIREFIGHTING MEASURES

Flash Point: 100 C (212 F)

LEL:

UEL:

Suitable extinguishing media: Carbon dioxide, Alcohol foam, or dry chemical

Heat builds up pressure in closed containers and can rupture or explode.

Carbon Dioxide, Carbon Monoxide, partially burned Carbon, and acrid fumes.

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Do not entire fire area without proper protective equipment, including respiratory protection

### 6. ACCIDENTAL RELEASE MEASURES

Stop leak at source when it is safe to do so. Use non-sparking tools only. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters. This material and its container must be disposed of in a safe way, and as per local legislation.

Absorb the liquid with inert material (such as dry sand or earth) and place it in a chemical waste container. Sweep or shovel spills into appropriate container for disposal.

Persons not wearing protective equipment should be evacuated from area of spill until cleanup has been completed.

Dike and pump the liquid into waste containers.

### 7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, and open flames. Avoid breathing vapor and mist. Vapors of this material are heavier than air and will collect in low or confined areas. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Store in a cool, well-ventilated place. Store at temperatures between 50°F-90°F unless otherwise stated. Product must remain in its original sealed containers with manufacturer's name and label in tact. Do not store materials in direct sunlight or where they may be damaged by water or rain. Dry goods (When applicable) must be kept dry.

No Additional Data

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polyamine Polymer Polyamine Polymer	Not Established	Not Established	Not Established
Propylene glycol diamine, 2-amino-, diether with Propylene 9046-10-0	OELs not established	OELs not established	Not Established
Tetraethylenepentamine 112-57-2	OELs not established	OELs not established	Not Established

Use explosion-proof equipment with flammable materials.

Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

Hand protection: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

Eye protection: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection: Use NIOSH-approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

Changed contaminated clothing immediately. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<p><b>Appearance:</b> Liquid</p> <p><b>Vapor Pressure:</b> -99999 mmHg</p> <p><b>Vapor Density:</b> -99999.0</p> <p><b>Density:</b> 1.03</p> <p><b>Freezing point:</b> Not Available</p> <p><b>Boiling range:</b> 100°C</p> <p><b>Evaporation rate:</b> Not Available</p> <p><b>Explosive Limits:</b> Not Available</p> <p><b>Autoignition temperature:</b> Not Available</p> <p><b>Viscosity:</b> Not Available</p>	<p><b>Odor:</b> Slight</p> <p><b>Odor threshold:</b> Not Available</p> <p><b>pH:</b> Not Available</p> <p><b>Melting point:</b> Not Available</p> <p><b>Solubility:</b> Not Available</p> <p><b>Flash point:</b> 212 F, 100 C</p> <p><b>Flammability:</b> Not Available</p> <p><b>Partition coefficient (n-octanol/water):</b> Not Available</p> <p><b>Decomposition temperature:</b> Not Available</p> <p><b>Grams VOC/liter less water:</b> 0.00</p>
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## 10. STABILITY AND REACTIVITY

STABLE

Incompatible materials

No Data Available / Not Applicable



Hazardous decomposition products

No Data Available / Not Applicable

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Mixture Toxicity

### Component Toxicity

112-57-2      Tetraethylenepentamine  
Oral LD50: 3,990 mg/kg (Rat)

### Toxicological Routes of Entry

**Inhalation      Skin Contact      Eye Contact      Ingestion**

### Specific Target Organs Toxicology

**No Data Available / Not Applicable**

### Effects of Overexposure

### Carcinogenicity

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data Available / Not Applicable

## 12. ECOLOGICAL INFORMATION

No data available

### Component Ecotoxicity

Tetraethylenepentamine      72 Hr EC50 Pseudokirchneriella subcapitata: 2.1 mg/L  
96 Hr LC50 Poecilia reticulata: 420 mg/L [static]  
48 Hr EC50 Daphnia magna: 24.1 mg/L

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations . Do not allow the product to be released into the environment.

## 14. TRANSPORT INFORMATION

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated for transport			
IMDG	Not regulated for transport			
IATA	Not regulated for transport			

## 15. REGULATORY INFORMATION

U.S. Federal Regulations

### State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

The following chemicals are reportable under Sara 313

- None

Country

USA

Regulation

Toxic Substances Control Act (listed or exempt)

All Components Listed

Yes

**16. OTHER INFORMATION**

*This information is provided in good faith and is correct to the best of AVM Industries' knowledge as of the date hereof and is designed to assist our customers; however, AVM makes no representation as to its completeness or accuracy. This product is intended for sale to mainly professional contractor. We require customers to satisfy themselves as to the suitability for their specific applications. Any use which AVM Industries customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. AVM Industries disclaims responsibility for damages, or liability of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES. IN NO EVENT SHALL AVM INDUSTRIES BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.*

Reviewer Revision

Date Prepared: 9/22/2015