



Material Safety Data Sheet

Preparation Date: 04-Jan-2010

Revision Date: 29-Dec-2009

Revision Number: 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code S215-1200A
Trade Name SURFACING EPOXY PRIMER WHITE
Contact Manufacturer Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372
Emergency Telephone Number 800-535-5053 (INFOTRAC) - TNE MEC REGULATORY DEPT: 816-474-3400

2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER!

CAUSES SKIN AND EYE BURNS.
MAY CAUSE ALLERGIC SKIN REACTION; EFFECTS MAY BE PERMANENT.
HARMFUL IF INHALED.
HARMFUL OR FATAL IF SWALLOWED.
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION.

Potential Health Effects

Principle Routes of Exposure Eye contact, Inhalation, Skin contact.

Acute Effects

Eyes

Causes burns.

Skin

Causes burns. May cause sensitization by skin contact.

Inhalation

Irritating to respiratory system. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.

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

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions Skin disorders.

Interactions with Other Chemicals No information available

Potential Environmental Effects See Section 12 for additional Ecological information

Target Organ Effects Eyes, Lungs, Respiratory system, Skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

| Component | CAS-No | Weight % |
|------------------------------------------------|------------|----------|
| CRYSTALLINE SILICA (QUARTZ) | 14808-60-7 | 27.3723 |
| TITANIUM DIOXIDE (TOTAL DUST) | 13463-67-7 | 10 - 30 |
| SILICON DIOXIDE/ALUMINUM OXIDE | 66402-68-4 | 10 - 30 |
| AMIDO AMINE | | 10 - 30 |
| BENZYL ALCOHOL | 100-51-6 | 6.96 |
| 4,7-METHANO-1H-INDENEDIMETHANAMINE, OCTAHYDRO- | 68889-71-4 | 5 - 10 |
| EPOXY RESIN | | 1 - 5 |
| AMORPHOUS SILICA | 7631-86-9 | 1 - 5 |
| ALUMINUM OXIDES | 1344-28-1 | 1 - 5 |
| TETRAETHYLENEPENTAMINE | 112-57-2 | 1 - 5 |
| CRYSTALLINE SILICA (QUARTZ) | 14808-60-7 | 0.649 |

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 | No information available |
| 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 ₂) - Foam - Dry chemical |
| Hazardous Decomposition Products | Oxides of carbon, hydrocarbons. Oxides of nitrogen. Ammonia. Nitric acid, nitrosamine. Phenolics. 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.

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

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) |
|--------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| CRYSTALLINE SILICA (QUARTZ) | TWA: 0.025 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.10 mg/m ³ | TWA: 0.1 mg/m ³ |
| TITANIUM DIOXIDE (TOTAL DUST) | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ TWA: 15 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ STEL: 20 mg/m ³ |
| SILICON DIOXIDE/ALUMINUM OXIDE | TWA: 5 mg/m ³ TWA: 0.2 mg/m ³ | | TWA: 5 mg/m ³ STEL: 10 mg/m ³ | TWA: 0.5 fibres/cm ³ TWA: 5 mg/m ³ TWA: 0.2 mg/m ³ STEL: 10 mg/m ³ | TWA: 5 mg/m ³ TWA: 0.2 mg/m ³ STEL: 10 mg/m ³ |
| ALUMINUM OXIDES | TWA: 1 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ TWA: 15 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ |
| CRYSTALLINE SILICA (QUARTZ) | TWA: 0.025 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.10 mg/m ³ | TWA: 0.1 mg/m ³ |

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

Not applicable

Boiling Point/Range

No information available.0.0

Upper Exposure Limits

No information available

Lower Exposure Limits

No information available

Evaporation Rate

No information available

Vapour Pressure

No information available

Vapour Density

No information available

Specific Gravity

1.59814

Density

13.29889

VOC Content (lbs/gal)

.149

% Volatile by Weight

1.1240

% Volatile by Volume

1.8382

10. STABILITY AND REACTIVITY

| | | | |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------|
| Chemical stability | Stable. | Conditions to Avoid | Heat, flames and sparks. Epoxy constituents. |
| Incompatible Products | Strong oxidizing agents. Bases. Acids. Hypochlorites. Nitrous acid and other nitrosating agents. Peroxides. Cleaning solutions such as Chromerge and Aqua Regia. Copper. | Possibility of Hazardous Reactions | None under normal processing |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-------------------------------|---------------------|-----------------------|----------------------|
| CRYSTALLINE SILICA (QUARTZ) | 500 mg/kg (Rat) | | |
| TITANIUM DIOXIDE (TOTAL DUST) | 10000 mg/kg (Rat) | | |
| BENZYL ALCOHOL | 1230 mg/kg (Rat) | 2000 mg/kg (Rabbit) | 8.8 mg/L (Rat) 4 h |
| AMORPHOUS SILICA | 5000 mg/kg (Rat) | 2000 mg/kg (Rabbit) | 2.2 mg/L (Rat) 1 h |
| ALUMINUM OXIDES | 5000 mg/kg (Rat) | | |
| TETRAETHYLENEPENTAMINE | 2100 mg/kg (Rat) | 660 mg/kg (Rabbit) | |
| CRYSTALLINE SILICA (QUARTZ) | 500 mg/kg (Rat) | | |

| | |
|----------------------|--------------------------|
| 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 |
|-------------------------------|-------|----------|-------|------|--------|
| CRYSTALLINE SILICA (QUARTZ) | A2 | Group 1 | Known | X | |
| TITANIUM DIOXIDE (TOTAL DUST) | | Group 2B | | X | |
| CRYSTALLINE SILICA (QUARTZ) | A2 | Group 1 | Known | X | |

| | |
|----------------------------------------|----------------------------------------|
| Mutagenic Effects | No information available |
| Reproductive Effects | No information available |
| Developmental Effects | No information available |
| Teratogenicity | No information available |
| Target Organ Effects | Eyes, Lungs, Respiratory system, Skin. |
| Endocrine Disruptor Information | No information available |

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Component | Freshwater Algae | Freshwater Fish | Microtox | Water Flea |
|------------------------|----------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------|
| BENZYL ALCOHOL | EC50 = 35 mg/L 3 h | LC50= 460 mg/L Pimephales promelas 96 h LC50= 10 mg/L Lepomis macrochirus 96 h | EC50 = 63.7 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 71.4 mg/L 30 min EC50 = 50 mg/L 5 min | EC50 = 23 mg/L 48 h |
| AMORPHOUS SILICA | EC50 = 440 mg/L 72 h | LC50= 5000 mg/L Brachydanio rerio 96 h | | EC50 = 7600 mg/L 48 h |
| TETRAETHYLENEPENTAMINE | EC50 = 2.1 mg/L 72 h | LC50= 420 mg/L Poecilia reticulata 96 h | | EC50 = 24.1 mg/L 48 h |

13. DISPOSAL CONSIDERATIONS

Waste 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 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 UN3066,PAINT,8,PGII,ERG 153

15. REGULATORY INFORMATION

International Inventories

| | |
|----------------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Does not Comply |
| EINECS/ELINCS | Does not Comply |
| CHINA | Does not Comply |
| ENCS | Does not Comply |
| KECL | Does not Comply |
| PICCS | Does not Comply |
| AICS | Does not Comply |

U.S. Federal Regulations

SARA 313

SARA 311/312 Hazardous Categorization

| | |
|------------------------------------------|-----|
| Chronic Health Hazard | No |
| 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 |
|--------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| SILICON DIOXIDE/ALUMINUM OXIDE | | X | | |

CERCLA

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Component | CAS-No | California Prop. 65 |
|-----------------------------|------------|---------------------|
| CRYSTALLINE SILICA (QUARTZ) | 14808-60-7 | Carcinogen |
| CRYSTALLINE SILICA (QUARTZ) | 14808-60-7 | Carcinogen |

State Right-to-Know

| Component | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|--------------------------------|---------------|------------|--------------|----------|--------------|
| CRYSTALLINE SILICA (QUARTZ) | X | X | X | | X |
| TITANIUM DIOXIDE (TOTAL DUST) | X | X | X | | X |
| SILICON DIOXIDE/ALUMINUM OXIDE | | X | X | | X |
| BENZYL ALCOHOL | X | | X | | |
| AMORPHOUS SILICA | X | | X | | |
| ALUMINUM OXIDES | X | X | X | | X |
| TETRAETHYLENEPENTAMINE | X | X | X | | |
| CRYSTALLINE SILICA (QUARTZ) | X | X | X | | X |

Other International Regulations**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials

E Corrosive material



| Component | NPRI |
|-----------------|------------------------------------------|
| ALUMINUM OXIDES | Part 1, Group 1 Substance (fibrous form) |

Legend

NPRI - National Pollutant Release Inventory

16. OTHER INFORMATION

Revision Date: 29-Dec-2009

Revision Summary: No information available

HMIS Health 0 Flammability 0 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 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



Material Safety Data Sheet

Preparation Date: 04-Jan-2010

Revision Date: 29-Dec-2009

Revision Number: 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code S215-0215B
Trade Name SURFACING EPOXY CONVERTER
Contact Manufacturer Tnemec Company, Inc. 6800 Corporate Drive, Kansas City, MO 64120-1372
Emergency Telephone Number 800-535-5053 (INFOTRAC) - TNE MEC REGULATORY DEPT: 816-474-3400

2. HAZARDS IDENTIFICATION

Emergency Overview

DANGER!

HARMFUL IF INHALED.
MAY CAUSE ALLERGIC SKIN REACTION; EFFECTS MAY BE PERMANENT.
HARMFUL OR FATAL IF SWALLOWED.
MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA.
MAY CAUSE EYE, SKIN, NOSE, THROAT AND RESPIRATORY TRACT IRRITATION.

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.

Inhalation

Irritating to respiratory system. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs.

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

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions Allergies. Skin disorders. Central nervous system. Gastrointestinal tract. Liver disorders.

Interactions with Other Chemicals Use of alcoholic beverages may enhance toxic effects.

Potential Environmental Effects See Section 12 for additional Ecological information

Target Organ Effects Eyes, Lungs, Respiratory system

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % |
|------------------------------|------------|----------|
| CRYSTALLINE SILICA (QUARTZ) | 14808-60-7 | 48.5654 |
| BISPHENOL A TYPE EPOXY RESIN | | 30 - 60 |
| EPOXY RESIN | 28064-14-4 | 10 - 30 |
| ALKYL GLYCIDYL ETHER | 68609-97-2 | 1 - 5 |
| AMORPHOUS SILICA | 7631-86-9 | 1 - 5 |

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 | No information available |
| 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 ₂) - Foam - Dry chemical |

Hazardous Decomposition Products Oxides of carbon, hydrocarbons. Aldehydes. Oxides of nitrogen. Hydrogen cyanide. Silicon.

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.

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

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) |
|-----------------------------|------------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|
| CRYSTALLINE SILICA (QUARTZ) | TWA: 0.025 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.1 mg/m ³ | TWA: 0.10 mg/m ³ | TWA: 0.1 mg/m ³ |

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 | Not applicable |
| Boiling Point/Range | No information available.0.0 |
| Upper Exposure Limits | No information available |
| Lower Exposure Limits | No information available |
| Evaporation Rate | No information available |
| Vapour Pressure | No information available |
| Vapour Density | No information available |
| Specific Gravity | 1.59269 |
| Density | 13.25361 |
| VOC Content (lbs/gal) | .020 |
| % Volatile by Weight | .1520 |
| % Volatile by Volume | .2733 |

10. STABILITY AND REACTIVITY

| | | | |
|------------------------------|---------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------|
| Chemical stability | Stable. | Conditions to Avoid | Heat, flames and sparks. Amines. Contact with water liberates toxic gas (methanol). |
| Incompatible Products | Strong oxidizing agents. Bases. Acids. Amines. | Possibility of Hazardous Reactions | None under normal processing |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

11. TOXICOLOGICAL INFORMATION

Component Information

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-----------------------------|---------------------|-----------------------|----------------------|
| CRYSTALLINE SILICA (QUARTZ) | 500 mg/kg (Rat) | | |
| ALKYL GLYCIDYL ETHER | 17100 mg/kg (Rat) | | |
| AMORPHOUS SILICA | 5000 mg/kg (Rat) | 2000 mg/kg (Rabbit) | 2.2 mg/L (Rat) 1 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 |
|-----------------------------|-------|---------|-------|------|--------|
| CRYSTALLINE SILICA (QUARTZ) | A2 | Group 1 | Known | X | |

| | |
|----------------------------------------|----------------------------------|
| Mutagenic Effects | No information available |
| Reproductive Effects | No information available |
| Developmental Effects | No information available |
| Teratogenicity | No information available |
| Target Organ Effects | Eyes, Lungs, Respiratory system. |
| Endocrine Disruptor Information | No information available |

| Component | EU - Endocrine Disruptors Candidate List | EU - Endocrine Disruptors - Evaluated Substances | Japan - Endocrine Disruptor Information |
|------------------------------|------------------------------------------|--------------------------------------------------|-----------------------------------------|
| BISPHENOL A TYPE EPOXY RESIN | Group III Chemical | | |

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Component | Freshwater Algae | Freshwater Fish | Microtox | Water Flea |
|------------------|----------------------|----------------------------------------|----------|-----------------------|
| AMORPHOUS SILICA | EC50 = 440 mg/L 72 h | LC50= 5000 mg/L Brachydanio rerio 96 h | | EC50 = 7600 mg/L 48 h |

13. DISPOSAL CONSIDERATIONS

| | |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste 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 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 PAINT IN OIL

15. REGULATORY INFORMATION

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|-----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Does not Comply |
| CHINA | Does not Comply |
| ENCS | Does not Comply |
| KECL | Does not Comply |
| PICCS | Does not Comply |
| AICS | Does not Comply |

U.S. Federal RegulationsSARA 313SARA 311/312 Hazardous Categorization

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

CERCLAU.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals:

| Component | CAS-No | California Prop. 65 |
|-----------------------------|------------|---------------------|
| CRYSTALLINE SILICA (QUARTZ) | 14808-60-7 | Carcinogen |

State Right-to-Know

| Component | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-----------------------------|---------------|------------|--------------|----------|--------------|
| CRYSTALLINE SILICA (QUARTZ) | X | X | X | | X |
| AMORPHOUS SILICA | X | | X | | |

Other International Regulations**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2B Toxic materials

**Legend**

NPRI - National Pollutant Release Inventory

| |
|-----------------------|
| 16. OTHER INFORMATION |
|-----------------------|

Revision Date: 29-Dec-2009

Revision Summary No information available

HMIS Health 0 Flammability 0 Reactivity 0

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