

## SAFETY DATA SHEET

Preparation Date: 6/27/2018

Revision Date: 6/27/2018

Revision Number: G1

### 1. IDENTIFICATION

**Product identifier**

**Product code:** ME171  
**Product Name:** METHYLPREDNISOLONE ACETATE, MICRONIZED, USP

**Other means of identification**

**Synonyms:** 11,17,21-Trihydroxy-6-methyl-1,4-pregnadiene-3,20-dione acetate  
 Methylprednisolone 21-acetate  
 6-Methylprednisolone acetate  
 6-alpha-Methylprednisolone acetate  
 Pregna-1,4-diene-3,20-dione, 21-(acetyloxy)-11,17-dihydroxy-6-methyl-, (6-alpha,11-beta)-  
**CAS #:** 53-36-1  
**RTECS #** TU4154050  
**CI#:** Not available

**Recommended use of the chemical and restrictions on use**

**Recommended use:** No information available.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
 14422 South San Pedro St.  
 Gardena, CA 90248  
 (310) 516-8000

**Order Online At:** <https://www.spectrumchemical.com>  
**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

### 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

|  |            |
|--|------------|
| Reproductive toxicity                              | Category 2 |
| Specific target organ toxicity (repeated exposure) | Category 2 |

**Label elements**

**Warning**

**Hazard statements**  
 Suspected of damaging fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure



**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

May be harmful in contact with skin

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

**Precautionary Statements - Response**

*IF exposed or concerned: Get medical advice/attention*

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Components                 | CAS-No. | Weight % |
|----------------------------|---------|----------|
| Methylprednisolone Acetate | 53-36-1 | 100      |

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice:**

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

**Skin Contact:**

Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

**Eye Contact:**

Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If eye irritation persists, consult a specialist.

**Inhalation:**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

**Ingestion:**

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

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

**Symptoms**

May cause eye/skin/respiratory tract irritation

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Glucocorticoids (Corticosteroids) may cause osteoporosis and bone fractures, back pain, joint pain/stiffness, numbness, weakness, infection, delayed wound healing, thinning skin, bruising, acne, menstrual irregularities, headache, sweating, eye pain, vision changes, mental and behavior changes, fever, muscle pain, immune system depression, purple lines on skin, tremors, Cushing's syndrome, electrolyte imbalance (sodium and fluid retention, potassium loss (hypokalemia)

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** Carbon dioxide (CO2). Dry chemical. Water spray mist or foam.

**Unsuitable Extinguishing Media:** No information available.

**Specific hazards arising from the chemical**

**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide.

**Specific hazards:** May be combustible at high temperatures.

**Special Protective Actions for Firefighters**

**Specific Methods:** No information available.

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions:** Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Remove all sources of ignition.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE**

## Precautions for safe handling

### **Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

### **Safe Handling Advice**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

## Conditions for safe storage, including any incompatibilities

### **Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Protect from light. Sensitive to light. Store in light-resistant containers. Store away from incompatible materials.

### **Incompatible Materials:**

Strong oxidizing agents

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control parameters

#### **National occupational exposure limits**

##### **United States**

| Components                 | CAS-No. | OSHA | NIOSH | ACGIH | AIHA WEEL |
|----------------------------|---------|------|-------|-------|-----------|
| Methylprednisolone Acetate | 53-36-1 | None | None  | None  | None      |

##### **Canada**

| Components                 | CAS-No. | Canada - Alberta | Canada - British Columbia | Canada - Ontario | Canada - Quebec |
|----------------------------|---------|------------------|---------------------------|------------------|-----------------|
| Methylprednisolone Acetate | 53-36-1 | None             | None                      | None             | None            |

##### **Australia and Mexico**

| Components                 | CAS-No. | Australia | Mexico |
|----------------------------|---------|-----------|--------|
| Methylprednisolone Acetate | 53-36-1 | None      | None   |

### Appropriate engineering controls

#### **Engineering measures to reduce exposure:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Individual protection measures, such as personal protective equipment

#### **Personal Protective Equipment**

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|                                  |  |
|----------------------------------|--|
| <b>Eye protection:</b>           | Goggles or Safety glasses with side-shields  |
| <b>Skin and body protection:</b> | Long sleeved clothing<br>apron<br>Gloves   |
| <b>Respiratory protection:</b>   | Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. |
| <b>Hygiene measures:</b>         | Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |  |
|--|--|--|
| <b>Physical state:</b><br>Solid                                | <b>Appearance:</b><br>Crystalline powder.                            | <b>Color:</b><br>White. Nearly White.                                |
| <b>Odor:</b><br>Odorless.                                      | <b>Taste</b><br>No information available.                            | <b>Formula:</b><br>C24-H32-O6  |
| <b>Molecular/Formula weight:</b><br>416.51                     | <b>Flammability:</b><br>Not Flammable                                | <b>Flashpoint (°C/°F):</b><br>No information available.              |
| <b>Flash Point Tested according to:</b><br>Not available       | <b>Autoignition Temperature (°C/°F):</b><br>No information available | <b>Lower Explosion Limit (%):</b><br>No information available        |
| <b>Upper Explosion Limit (%):</b><br>No information available  | <b>Melting point/range(°C/°F):</b><br>206-225 °C/402.8-437 °F        | <b>Decomposition temperature(°C/°F):</b><br>No information available |
| <b>Boiling point/range(°C/°F):</b><br>No information available | <b>Bulk density:</b><br>No information available                     | <b>Density (g/cm3):</b><br>No information available                  |
| <b>Specific gravity:</b><br>No information available           | <b>pH:</b><br>No information available                               | <b>Vapor pressure @ 20°C (kPa):</b><br>No information available      |
| <b>Evaporation rate:</b><br>No information available           | <b>Vapor density:</b><br>No information available                    | <b>VOC content (g/L):</b><br>No information available                |
| <b>Odor threshold (ppm):</b><br>No information available       | <b>Partition coefficient (n-octanol/water):</b><br>log Kow = 1.62    | <b>Viscosity:</b><br>No information available                        |
| <b>Miscibility:</b><br>No information available                | <b>Solubility:</b><br>Insoluble in water                             |  |

## 10. STABILITY AND REACTIVITY

**Reactivity**  
May react with strong oxidizers

### Chemical stability

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

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**Conditions to avoid:** Heat. Incompatible materials. Avoid dust formation.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous decomposition products:** Carbon oxides.

**Other Information**  
**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Principal Routes of Exposure:**  
Inhalation. Ingestion.

### Acute Toxicity

#### Component Information

|                            |         |
|----------------------------|---------|
| Methylprednisolone Acetate |         |
| CAS-No.                    | 53-36-1 |

**LD50/oral/rat** = > 10 g/kg Oral LD50 Rat  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = No information available  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50 information** = No information available

#### Product Information

**LD50/oral/rat** =  
**VALUE- Acute Tox Oral** = > 10000 mg/kg

**LD50/oral/mouse** =  
**Value - Acute Tox Oral** = No information available

**LD50/dermal/rabbit**  
**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**  
**VALUE -Acute Tox Dermal** = No information available

**LC50/inhalation/rat**  
**VALUE-Vapor** = No information available  
**VALUE-Gas** = No information available  
**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**  
**VALUE-Vapor** = No information available

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VALUE - Gas = No information available  
VALUE - Dust/Mist = No information available

### Symptoms

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Inhalation** May cause irritation of respiratory tract.

**Ingestion** May affect behavior/central nervous system (somnolence). May cause flushing or redness of skin. May cause excessive sweating. May cause diarrhea. May cause constipation. Corticosteroids(glucocorticoids): Nausea, vomiting, headache. May cause bone fractures, back pain, joint pain or stiffness, weakness, high blood pressure, increased appetite, infection, delayed wound healing, thinning skin, bruising, purple lines on skin, increased hair growth, acne, redistribution of body fat, menstrual irregularities, impotence, increased sweating, eye pain, vision changes, mental and personality changes, swelling, lightheadedness, numbness, tremors, Fluid and electrolyte imbalance (sodium and fluid retention), suppression of calcium absorption and increased calcium excretion, potassium loss, hypokalemic alkalosis, Cushing's syndrome, immune system depression.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Prolonged or repeated eye contact with glucocorticoids/corticosteroids may affect vision (glaucoma, cataracts). Prolonged or repeated skin contact with corticosteroids/glucocorticoids may cause dryness, folliculitis, acne, hypopigmentation, dermatitis, thinning of skin (skin atrophy). Prolonged or repeated ingestion of corticosteroids may cause osteoporosis and bone fractures due to mobilization of calcium (reduced calcium absorption) and phosphorus, hypokalemia due to increase urinary loss of potassium, development of glaucoma and cataracts, muscle weakness/muscle wasting, swelling of the feet or lower legs due fluid and sodium retention, hip or shoulder pain, irregular heartbeat. It may affect the liver, kidneys, pancreas (pancreatitis), blood (changes in serum composition), behavior/central nervous system (anxiety, nervousness or restlessness, trouble sleeping, mental disturbances such as psychosis, euphoria, depression), protein metabolism, lipid metabolism, carbohydrate metabolism causing insulin resistance, hyperglycemia, diabetes, and the immune system (immunosuppressant) causing increased susceptibility to infections), thinning skin. Repeated ingestion of large doses of corticosteroids may also produce other symptoms typical of hyperactivity of the adrenal gland and overproduction of cortisol (Cushing's Syndrome) such moon-face, buffalo hump, increased bruising, ecchymoses, striae, and acne, menstrual irregularities, amenorrhea, sometimes hirsutism (deepening of the voice in women), and excess hair growth (in women). Corticosteroids may also have an inhibitory effect on wound healing. This may affect persons who have experienced recent nasal ulcers, nasal surgery or nasal trauma.

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**Carcinogenic effects:** Not considered carcinogenic.

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| Components                 | CAS-No. | IARC       | ACGIH - Carcinogens | NTP        | OSHA HCS - Carcinogens | Australia - Notifiable Carcinogenic Substances | Australia - Prohibited Carcinogenic Substances |
|----------------------------|---------|------------|---------------------|------------|------------------------|--|--|
| Methylprednisolone Acetate | 53-36-1 | Not listed | Not listed          | Not listed | Not listed             | Not listed                                     | Not listed                                     |

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)  
 Group 3 - Not classifiable as to its carcinogenicity to humans  
 NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

**Reproductive toxicity** Suspected of damaging fertility or the unborn child

**Reproductive Effects:** No information available

**Developmental Effects:** May cause adverse developmental effects based on animal data  
 Possible risk of harm to the unborn child  
 Glucocorticoid medication used during pregnancy has been associated with an increased risk of cleft palate and impaired fetal growth by some studies (REPROTOX)

**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Target Organs:** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Ecotoxicity effects:** No data available.

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

**Waste from residues / unused products:**  
 Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**  
 Empty containers should be taken for local recycling, recovery or waste disposal

| Components                 | CAS-No. | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|----------------------------|---------|------------------------|------------------------|------------------------|------------------------|
| Methylprednisolone Acetate | 53-36-1 | None                   | None                   | None                   | None                   |

## 14. TRANSPORT INFORMATION

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**DOT**

|  |                          |
|--|--------------------------|
| <b>UN-No:</b>                          | Not Regulated            |
| <b>Proper Shipping Name:</b>           | No information available |
| <b>Hazard Class:</b>                   | No information available |
| <b>Subsidiary Class</b>                | No information available |
| <b>Packing group:</b>                  | No information available |
| <b>Emergency Response Guide Number</b> | No information available |
| <b>Marine Pollutant</b>                | No data available        |
| <b>DOT RQ (lbs):</b>                   | No information available |
| <b>Special Provisions</b>              | No Information available |
| <b>Symbol(s):</b>                      | No information available |
| <b>Description:</b>                    | No information available |

**TDG (Canada)**

|                              |                          |
|------------------------------|--------------------------|
| <b>UN-No:</b>                | Not Regulated            |
| <b>Proper Shipping Name:</b> | No information available |
| <b>Hazard Class:</b>         | No information available |
| <b>Subsidiary Risk:</b>      | No information available |
| <b>Packing Group:</b>        | No information available |
| <b>Marine Pollutant</b>      | No Information available |
| <b>Description:</b>          | No information available |

**ADR**

|                              |                          |
|------------------------------|--------------------------|
| <b>UN-No:</b>                | Not Regulated            |
| <b>Proper Shipping Name:</b> | No information available |
| <b>Hazard Class:</b>         | No information available |
| <b>Packing Group:</b>        | No information available |
| <b>Subsidiary Risk:</b>      | No information available |

**IMO / IMDG**

|                              |                          |
|------------------------------|--------------------------|
| <b>UN-No:</b>                | Not Regulated            |
| <b>Proper Shipping Name:</b> | No information available |
| <b>Hazard Class:</b>         | No information available |
| <b>Subsidiary Risk:</b>      | No information available |
| <b>Packing Group:</b>        | No information available |
| <b>Marine Pollutant</b>      | No information available |

**RID**

|                              |                          |
|------------------------------|--------------------------|
| <b>UN-No:</b>                | Not Regulated            |
| <b>Proper Shipping Name:</b> | No information available |
| <b>Hazard Class:</b>         | No information available |
| <b>Subsidiary Risk:</b>      | No information available |
| <b>Packing Group:</b>        | No information available |

**ICAO**

|                              |                          |
|------------------------------|--------------------------|
| <b>UN-No:</b>                | Not Regulated            |
| <b>Proper Shipping Name:</b> | No information available |
| <b>Hazard Class:</b>         | No information available |
| <b>Subsidiary Risk:</b>      | No information available |
| <b>Packing Group:</b>        | No information available |

**IATA**

|                              |                          |
|------------------------------|--------------------------|
| <b>UN-No:</b>                | Not Regulated            |
| <b>Proper Shipping Name:</b> | No information available |
| <b>Hazard Class:</b>         | No information available |

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**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**ERG Code:** No information available  
**Special Provisions** No information available

**15. REGULATORY INFORMATION**

**International Inventories**

| Components                 | CAS-No. | U.S. TSCA  | KOREA KECL  | Philippines (PICCS) | Japan ENCS      | CHINA       | Australia (AICS) | EINECS-No.        |
|----------------------------|---------|------------|-------------|---------------------|-----------------|-------------|------------------|-------------------|
| Methylprednisolone Acetate | 53-36-1 | Not Listed | Not present | Not present         | Present (9)-488 | Not present | Present          | Present 200-171-3 |

**U.S. Regulations**

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (See table below)

| Components                 | CAS-No. | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|----------------------------|---------|------------|------------------------|----------------------------|-------------------------------|
| Methylprednisolone Acetate | 53-36-1 | Not Listed | Not Listed             | Not Listed                 | Not Listed                    |

**CERCLA/SARA**

| Components                 | CAS-No. | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting de minimis |
|----------------------------|---------|---|---|--|---------------------------------|------------------------------------|
| Methylprednisolone Acetate | 53-36-1 | None  | None  | None   | None                            | None                               |

**U.S. TSCA**

| Components                 | CAS-No. | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|----------------------------|---------|---|--|
| Methylprednisolone Acetate | 53-36-1 | Not Applicable  | Not Applicable                         |

**Canada**

**WHMIS 2015 - GHS Classifications**

WHMIS 2015 Hazard Classification Information:

The WHMIS 2015 classification of this product has not been validated or reviewed yet.

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

**WHMIS 1988 Hazard Class**

D2A Very toxic materials

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**Canada Controlled Products Regulation:**

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

**Inventory**

| Components                 | CAS-No. | Canada (DSL) | Canada (NDSL) |
|----------------------------|---------|--------------|---------------|
| Methylprednisolone Acetate | 53-36-1 | Present      | Not Listed    |

| Components                 | CAS-No. | CEPA Schedule I - Toxic Substances                          |
|----------------------------|---------|---|
| Methylprednisolone Acetate | 53-36-1 | Not listed  |
| Components                 | CAS-No. | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
| Methylprednisolone Acetate | 53-36-1 | Not listed  |

**EU Classification****EU GHS - SV - CLP 1272/2008**

| Components                 | CAS-No. | EU GHS - SV - CLP (1272/2008) |
|----------------------------|---------|-------------------------------|
| Methylprednisolone Acetate | 53-36-1 | No information                |

**EU - CLP (1272/2008)****R-phrase(s)**

R63 - Possible risk of harm to the unborn child.

**S -phrase(s)**

S46 - If swallowed, seek medical advice immediately and show this container or label.

S36/37 - Wear suitable protective clothing and gloves.

| Components                 | CAS-No. | Classification | Concentration Limits: | Safety Phrases |
|----------------------------|---------|----------------|-----------------------|----------------|
| Methylprednisolone Acetate | 53-36-1 |                | No information        |                |

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**

Xn - Harmful.

Xn

**16. OTHER INFORMATION**

**Preparation Date:** 6/27/2018  
**Revision Date:** 6/27/2018  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product

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is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**