

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
 Product name : TERRAZOLE 35% Wettable Powder  
 Other means of identification : EPA Reg. No. 400-416

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use : Fungicide  
 Restrictions on use : Agriculture, For professional users only

### 1.3. Details of the supplier of the safety data sheet

MacDermid Agricultural Solutions, Inc.  
 c/o Arysta LifeScience North America, LLC  
 15401 Weston Parkway, Suite 150 Cary, NC 27513 - USA  
 T 1-866-761-9397

### 1.4. Emergency telephone number

Emergency number : Exposure calls (PROPHARMA): 1-866-303-6952 or +1-651-603-3432 (international)  
 Spill calls (CHEMTREC) (Contract # CCN1779): +1-800-424-9300 or +1-703-527-3887 (international)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS-US classification

Eye Irrit. 2B H320  
 Eye Irrit. 2A H319  
 Carc. 1A H350  
 STOT RE 2 H373  
 Aquatic Acute 1 H400  
 Aquatic Chronic 1 H410  
 Comb. Dust

Full text of hazard classes and H-statements : see section 16

### 2.2. Label elements

#### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

May form combustible dust concentrations in air  
 H319 - Causes serious eye irritation.  
 H320 - Causes eye irritation  
 H350 - May cause cancer (Inhalation).  
 H373 - May cause damage to organs through prolonged or repeated exposure.  
 H400 - Very toxic to aquatic life.  
 H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P260 - Do not breathe dust, fume.  
 P264 - Wash hands thoroughly after handling.  
 P273 - Avoid release to the environment.  
 P280 - Wear eye protection, protective gloves.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 - If exposed or concerned: Get medical advice/attention.

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P314 - Get medical advice/attention if you feel unwell.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P391 - Collect spillage.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

44.03% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
44.03% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
44.03% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier     | % (w/w)   | GHS-US classification  |
|---|------------------------|-----------|--|
| Etridiazole                                     | (CAS-No.) 2593-15-9    | 35        | Acute Tox. 4 (Oral), H302<br>Skin Sens. 1, H317<br>Carc. 2, H351<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br>Comb. Dust |
| Silicon dioxide (cristobalite)                  | (CAS-No.) 14808-60-7   | 0.01 - 5  | Carc. 1A, H350   |
| Sodium 2-[methyloleoylamino]ethane-1-sulphonate | (CAS-No.) 137-20-2     | 1 - 3     | Eye Irrit. 2A, H319  |
| Dispersing agent                                | (CAS-No.) trade secret | 1 - 3     | STOT RE 2, H373  |
| N-methyltaurine                                 | (CAS-No.) 107-68-6     | 0.1 - 0.5 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318  |
| sodium N-methyltaurinate                        | (CAS-No.) 4316-74-9    | 0.1 - 0.5 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318  |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : May cause damage to organs through prolonged or repeated exposure.

Symptoms/effects after inhalation : Suspected of causing cancer.

Symptoms/effects after skin contact : May be harmful in contact with skin.

Symptoms/effects after eye contact : Causes eye irritation.

Symptoms/effects after ingestion : May be harmful if swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Large fires: alcohol resistant foam. Small fires: Carbon dioxide. Dry chemical. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Burning produces irritating, toxic and noxious fumes. Combustible Dust.

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Explosion hazard : Dust may form explosive mixture in air.  
Reactivity : No dangerous reactions known.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid creating or spreading dust. Use personal protective equipment as required. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Avoid contact with skin, eyes and clothing. Do not breathe dust. Do not breathe vapour.

#### 6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.  
Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Refer to section 8.2.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

For containment : Avoid generating dust. Collect spillage.  
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal.

### 6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Do not breathe dust.  
Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container. Keep container tightly closed.  
Incompatible products : Strong oxidizers.  
Incompatible materials : Sources of ignition. Direct sunlight.  
Storage area : Store in dry, cool, well-ventilated area.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| TERRAZOLE 35% Wettable Powder |                |
|-------------------------------|----------------|
| ACGIH                         | Not applicable |
| OSHA                          | Not applicable |
| Etridiazole (2593-15-9)       |                |
| ACGIH                         | Not applicable |
| OSHA                          | Not applicable |

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| <b>Sodium 2-[methyleleoylamino]ethane-1-sulphonate (137-20-2)</b> |                                |  |
|---|--------------------------------|--|
| ACGIH   | Not applicable                 |  |
| OSHA  | Not applicable                 |  |
| <b>N-methyltaurine (107-68-6)</b>                                 |                                |  |
| ACGIH   | Not applicable                 |  |
| OSHA  | Not applicable                 |  |
| <b>sodium N-methyltaurinate (4316-74-9)</b>                       |                                |  |
| ACGIH   | Not applicable                 |  |
| OSHA  | Not applicable                 |  |
| <b>Dispersing agent (trade secret)</b>                            |                                |  |
| ACGIH   | ACGIH TWA (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> (Inhalable particulates not otherwise specified); 3 mg/m <sup>3</sup> (Respirable particulates not otherwise specified) |
| OSHA  | Not applicable                 |  |
| <b>Silicon dioxide (cristobalite) (14808-60-7)</b>                |                                |  |
| ACGIH   | ACGIH TWA (mg/m <sup>3</sup> ) | 0.025 mg/m <sup>3</sup>  |
| ACGIH   | Remark (ACGIH)                 | (respirable dust)  |
| OSHA  | OSHA PEL (TWA) (ppm)           | 250 mppcf  |
| OSHA  | Remark (OSHA)                  | (3) See Table Z-3.   |

### 8.2. Exposure controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station. |
| Personal protective equipment    | : Avoid all unnecessary exposure.  |
| Hand protection                  | : Wear suitable gloves resistant to chemical penetration. Butyl rubber gloves.   |
| Eye protection                   | : Chemical goggles or safety glasses.  |
| Respiratory protection           | : Wear appropriate mask. Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material.   |
| Environmental exposure controls  | : Prevent leakage or spillage. Prevent contaminated water run-off.   |
| Other information                | : Do not eat, drink or smoke during use.   |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                     |
|--|---------------------|
| Physical state                             | : Solid             |
| Appearance                                 | : Powder.           |
| Colour                                     | : white Off-white   |
| Odour                                      | : Sweet Musty       |
| Odour threshold                            | : No data available |
| pH   | : 7 - 9             |
| Melting point                              | : 155 °C            |
| Freezing point                             | : No data available |
| Boiling point                              | : No data available |
| Flash point                                | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas)                  | : No data available |
| Explosive limits                           | : No data available |
| Explosive properties                       | : No data available |
| Oxidising properties                       | : No data available |
| Vapour pressure                            | : No data available |
| Relative density                           | : No data available |

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|                                  |                               |
|----------------------------------|-------------------------------|
| Relative vapour density at 20 °C | : No data available           |
| Density                          | : 1.9 - 2.1 g/cm <sup>3</sup> |
| Solubility                       | : No data available           |
| Log Pow                          | : No data available           |
| Log Kow                          | : No data available           |
| Auto-ignition temperature        | : No data available           |
| Decomposition temperature        | : No data available           |
| Viscosity                        | : No data available           |
| Viscosity, kinematic             | : No data available           |
| Viscosity, dynamic               | : No data available           |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                           |                                    |
|---------------------------|------------------------------------|
| Likely routes of exposure | : Inhalation; Skin and eye contact |
| Acute toxicity            | : Not classified                   |

| TERRAZOLE 35% Wettable Powder        |                       |
|--------------------------------------|-----------------------|
| LD50 oral rat                        | 3266 mg/kg            |
| LD50 dermal rabbit                   | > 2000 mg/kg          |
| LC50 inhalation rat (mg/l)           | > 2.8 mg/l/4h         |
| ATE US (oral)                        | 3266 mg/kg bodyweight |
| Etridiazole (2593-15-9)              |                       |
| LD50 oral rat                        | > 945 mg/kg           |
| LD50 dermal rabbit                   | > 5000 mg/kg          |
| LC50 inhalation rat (mg/l)           | > 5.7 mg/l/4h         |
| ATE US (oral)                        | 500 mg/kg bodyweight  |
| sodium N-methyltaurinate (4316-74-9) |                       |
| LD50 oral rat                        | >= 4670 mg/kg         |
| Dispersing agent (trade secret)      |                       |
| LD50 oral rat                        | > 12000 mg/kg         |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Not classified<br>(Not irritating to skin)                                |
| Serious eye damage/irritation     | : Causes eye irritation. Causes serious eye irritation.                     |
| Respiratory or skin sensitisation | : Not classified.<br>(No sensitizing reaction was observed for guinea pigs) |
| Germ cell mutagenicity            | : Not classified  |

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Carcinogenicity : May cause cancer (Inhalation).

| <b>Silicon dioxide (cristobalite) (14808-60-7)</b> |  |
|--|--|
| IARC group   | 1 - Carcinogenic to humans   |
| Reproductive toxicity                              | : Not classified   |
| STOT-single exposure                               | : Not classified   |
| STOT-repeated exposure                             | : May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard                                  | : Not classified   |
| Symptoms/effects after inhalation                  | : Suspected of causing cancer.                                       |
| Symptoms/effects after skin contact                | : May be harmful in contact with skin.                               |
| Symptoms/effects after eye contact                 | : Causes eye irritation.   |
| Symptoms/effects after ingestion                   | : May be harmful if swallowed.                                       |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

| <b>Etridiazole (2593-15-9)</b> |                           |
|--------------------------------|---------------------------|
| LC50 fish 1                    | 2.4 mg/l 96 h             |
| EC50 Daphnia 1                 | 3.1 mg/l 48 h             |
| EC50 other aquatic organisms 1 | 0.8 mg/l 48 h green algae |
| NOEC chronic fish              | 0.12 mg/l 28 d            |
| NOEC chronic crustacea         | 0.37 mg/l 21 d            |

| <b>sodium N-methyltaurinate (4316-74-9)</b> |                 |
|---|-----------------|
| LC50 fish 1                                 | > 500 mg/l 96 h |

| <b>Dispersing agent (trade secret)</b> |                                 |
|--|---------------------------------|
| LC50 fish 1                            | 361 ppm 96h Pimephales promelas |

### 12.2. Persistence and degradability

| <b>TERRAZOLE 35% Wettable Powder</b> |   |
|--------------------------------------|---|
| Persistence and degradability        | May cause long-term adverse effects in the environment. |

| <b>Etridiazole (2593-15-9)</b> |                            |
|--------------------------------|----------------------------|
| Persistence and degradability  | Not readily biodegradable. |

| <b>sodium N-methyltaurinate (4316-74-9)</b> |                            |
|---|----------------------------|
| Persistence and degradability               | Not readily biodegradable. |

| <b>Dispersing agent (trade secret)</b> |  |
|--|--|
| Persistence and degradability          | Biodegrades slowly.  |
| Biochemical oxygen demand (BOD)        | 0.021 g O <sub>2</sub> /g substance (5 day/day); 0.043 g O <sub>2</sub> /g (30 day/days) |

### 12.3. Bioaccumulative potential

| <b>TERRAZOLE 35% Wettable Powder</b> |                  |
|--------------------------------------|------------------|
| Bioaccumulative potential            | Not established. |

| <b>Etridiazole (2593-15-9)</b>      |      |
|-------------------------------------|------|
| Bioconcentration factor (BCF REACH) | 165  |
| Log Pow                             | 2.46 |

| <b>sodium N-methyltaurinate (4316-74-9)</b> |       |
|---|-------|
| Log Pow                                     | -5.04 |

### 12.4. Mobility in soil

| <b>TERRAZOLE 35% Wettable Powder</b> |                  |
|--------------------------------------|------------------|
| Ecology - soil                       | Not established. |

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### Etridiazole (2593-15-9)

Ecology - soil

Mobile.

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations : Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (etridiazole), 9, III

UN-No.(DOT) : UN3077

Proper Shipping Name (DOT) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (etridiazole)

Packing group (DOT) : III - Minor Danger

Hazard labels (DOT) : 9 - Class 9 (Miscellaneous dangerous materials)



Dangerous for the environment : Yes

Marine pollutant : Yes



### Additional information

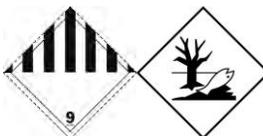
Emergency Response Guide (ERG) Number : 171

Other information : Non-bulk (<= 882 lbs / 400 kg) Not Regulated; Bulk (> 882 lbs / 400 kg) Regulated as stated.

### Transport by sea

#### IMDG

Transport hazard class(es) (IMDG) : 9



Marine pollutant : Yes

UN-No. (IMDG) : 3077

Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (etridiazole), 9, III, MARINE POLLUTANT

Class (IMDG) : 9 - Miscellaneous dangerous substances and articles

Packing group (IMDG) : III - substances presenting low danger

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

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### Air transport

|                                       |  |
|---------------------------------------|--|
| <b>IATA</b>                           |  |
| Transport hazard class(es) (IATA)     | : 9  |
|                                       | :  |
|                                       |   |
| Marine pollutant                      | : Yes  |
| UN-No. (IATA)                         | : 3077   |
| Transport document description (IATA) | : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (etridiazole), 9, III |
| Class (IATA)                          | : 9 - Miscellaneous Dangerous Goods  |
| Packing group (IATA)                  | : III - Minor Danger   |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

N-methyltaurine

CAS-No. 107-68-6

#### Etridiazole (2593-15-9)

EPA TSCA Regulatory Flag

Exempt from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

#### Dispersing agent (trade secret)

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under Chemical Data Reporting Rule (formerly the Inventory Update Reporting Rule), i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 711).

### FIFRA Labelling

EPA Registration Number

400-416

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use..

FIFRA Signal Word

**Caution**

FIFRA Human Health Hazards

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin.

FIFRA First Aid

Avoid contact with skin, eyes or clothing.

FIFRA Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment disposing of equipment washwaters.  
Surface Water Advisory: Etridiazole can contaminate surface water through spray drift. Under some conditions, etridiazole may have a high potential for runoff into surface water for several weeks post application. These conditions include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain surface water.

FIFRA Physical Hazard

Do not use or store near heat or open flame.

### 15.2. International regulations

#### CANADA

#### Etridiazole (2593-15-9)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

#### N-methyltaurine (107-68-6)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

#### sodium N-methyltaurinate (4316-74-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

#### Dispersing agent (trade secret)

Listed on the Canadian DSL (Domestic Substances List) inventory.

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### Silicon dioxide (cristobalite) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

### 15.3. US State regulations

**WARNING** This product can expose you to Silicon dioxide (cristobalite), which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Silicon dioxide (cristobalite) (14808-60-7)

| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|---|---|---|---|----------------------------------|-------------------------------------|
| Yes   | No  | No  | No  |                                  |                                     |

### Silicon dioxide (cristobalite) (14808-60-7)

U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  
U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16: Other information

Revision date : 06/08/2018

Data sources : ACGIH (American Conference of Government Industrial Hygienists). Canadian Centre for Occupational Health and Safety. Accessed at: [http://www.ccohs.ca/oshanswers/legisl/whmis\\_classifi.html](http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html). European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. WHMIS: The Workplace Hazardous Materials Information System: Canada's national hazard communication standard.

Other information : None.

Full text of H-statements:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                  |
| Aquatic Acute 1     | Hazardous to the aquatic environment — Acute Hazard, Category 1    |
| Aquatic Chronic 1   | Hazardous to the aquatic environment — Chronic Hazard, Category 1  |
| Carc. 1A            | Carcinogenicity, Category 1A                                       |
| Carc. 2             | Carcinogenicity, Category 2  |
| Comb. Dust          | Combustible Dust   |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                      |
| Eye Irrit. 2A       | Serious eye damage/eye irritation, Category 2A                     |
| Eye Irrit. 2B       | Serious eye damage/eye irritation, Category 2B                     |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2                              |
| Skin Sens. 1        | Skin sensitisation, Category 1                                     |
| STOT RE 2           | Specific target organ toxicity — Repeated exposure, Category 2     |
| H302                | Harmful if swallowed.  |
| H315                | Causes skin irritation.  |
| H317                | May cause an allergic skin reaction.                               |
| H318                | Causes serious eye damage.   |
| H319                | Causes serious eye irritation.                                     |
| H320                | Causes eye irritation  |
| H350                | May cause cancer.  |
| H351                | Suspected of causing cancer.                                       |
| H373                | May cause damage to organs through prolonged or repeated exposure. |
| H400                | Very toxic to aquatic life.  |
| H410                | Very toxic to aquatic life with long lasting effects.              |

Abbreviations and acronyms:

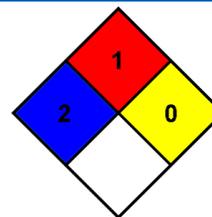
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|  |   |
|--|---|
|  | ATE: Acute Toxicity Estimate  |
|  | CAS (Chemical Abstracts Service) number   |
|  | EC50: Environmental Concentration associated with a response by 50% of the test population. |
|  | GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).              |
|  | LD50: Lethal Dose for 50% of the test population  |
|  | STEL: Short Term Exposure Limits  |
|  | TWA: Time Weighted Average  |

- NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Indication of changes:  
General information.

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*