SECTION 1. IDENTIFICATION

Product name : CASORON® 4G
Product code : 400000000957

Manufacturer or supplier’s details
Company: MacDermid Agricultural Solutions, Inc  
245 Freight St  
Waterbury, CT  
United States of America  
06702  
Telephone: +1 800 423 8569

Prepared by sds.request@arysta.com

Further information for the safety data sheet:  
sds.request@arysta.com

1.4 Emergency telephone number
Emergency telephone number: Agriphar Crop Solutions: +1 800 423 8569(24 hours) 800-424-9300  
For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Recommended use of the chemical and restrictions on use
Recommended use: Herbicide
Restrictions on use: Agriculture, For professional users only.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Chronic aquatic toxicity: Category 3

GHS Label element
Hazard statements: H412 Harmful to aquatic life with long lasting effects.
Precautionary statements: Prevention:  
P273 Avoid release to the environment.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards
Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Dichlobenil - 4%

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>silicon dioxide</td>
<td>7631-86-9</td>
<td>&gt;= 50 - &lt; 70</td>
</tr>
<tr>
<td>aluminium oxide</td>
<td>1344-28-1</td>
<td>&gt;= 10 - &lt; 20</td>
</tr>
<tr>
<td>dichlobenil</td>
<td>1194-65-6</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>diiron trioxide</td>
<td>1309-37-1</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>magnesium oxide</td>
<td>1309-48-4</td>
<td></td>
</tr>
<tr>
<td>calcium oxide</td>
<td>1305-78-8</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>kaolin</td>
<td>1332-58-7</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
<tr>
<td>titanium dioxide</td>
<td>13463-67-7</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
Give oxygen or artificial respiration if needed.
Obtain medical attention.

In case of skin contact : Wash off with soap and water.
Remove contaminated clothing and shoes.
Wash contaminated clothing before re-use.
If symptoms persist, call a physician.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Call a physician or poison control centre immediately.
Do not induce vomiting unless told to do so by the poison control center or doctor.
If swallowed
Drink 1 or 2 glasses of water.
Never give anything by mouth to an unconscious person.
Do not give milk, alcoholic beverages or castor oil.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : The first aid procedure should be established in consultation.
with the doctor responsible for industrial medicine.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media: Carbon dioxide (CO2)
  - Dry powder
  - Foam
  - Water fog
- Unsuitable extinguishing media: Water spray
- Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information: Do not discharge extinguishing waters into streams, rivers and lakes.
- Special protective equipment for firefighters: Body covering protective clothing, full "turn-out" gear.
  - Self-contained breathing apparatus (EN 133)

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures: Wear suitable protective equipment.
- Environmental precautions: Prevent leaks and prevent soil / water pollution caused by leaks.
  - May be harmful to aquatic life.
- Methods and materials for containment and cleaning up: Sweep up and shovel into suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling: Avoid dust formation.
  - Use only with adequate ventilation.
- Conditions for safe storage: Keep in a dry, cool place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>silicon dioxide</td>
<td>7631-86-9</td>
<td>TWA (Dust)</td>
<td>20 Million particles per cubic foot (Silica)</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Dust)</td>
<td>80 mg/m3 / %SiO2</td>
<td>OSHA Z-3</td>
</tr>
<tr>
<td>Substance</td>
<td>TWA (Silica)</td>
<td>NIOSH REL</td>
<td>OSHA Z-1</td>
<td>OSHA P0</td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------</td>
<td>-----------</td>
<td>----------</td>
<td>---------</td>
</tr>
<tr>
<td>aluminium oxide</td>
<td>TWA (total dust)</td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (Total dust)</td>
<td>10 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (respirable dust fraction)</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (Respirable fraction)</td>
<td>1 mg/m³ (Aluminium)</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>diiron trioxide</td>
<td>TWA (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (Fumes)</td>
<td>10 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (total dust)</td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (Fumes)</td>
<td>10 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (dust and fume)</td>
<td>5 mg/m³ (Iron)</td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td>magnesium oxide</td>
<td>TWA (Inhalable fraction)</td>
<td>10 mg/m³</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (fume, total particulate)</td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (Fume - total particulate)</td>
<td>10 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>calcium oxide</td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 mg/m³</td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td>kaolin</td>
<td>TWA (Respirable fraction)</td>
<td>2 mg/m³</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (total dust)</td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (Respirable)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (total)</td>
<td>10 mg/m³</td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (Total dust)</td>
<td>10 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (respirable dust fraction)</td>
<td>5 mg/m³</td>
<td>OSHA P0</td>
<td></td>
</tr>
<tr>
<td>titanium dioxide</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA (total)</td>
<td>15 mg/m³</td>
<td>OSHA Z-1</td>
<td></td>
</tr>
</tbody>
</table>
Hazardous components without workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichlobenil</td>
<td>1194-65-6</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection

- Remarks: Impervious gloves

Eye protection: Safety glasses with side-shields

Skin and body protection: Preventive skin protection

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: granular
- Colour: grey
- Odour: aromatic
- Odour Threshold: No data available
- pH: Not applicable
- Melting point/range: No data available
- Boiling point/boiling range: Not applicable
- Flash point: Not applicable
- Evaporation rate: Not applicable
- Upper explosion limit: No data available
- Lower explosion limit: No data available
- Vapour pressure: Not applicable
- Relative vapour density: Not applicable
- Relative density: No data available
- Density: No data available
Solubility(ies)
Water solubility : No data available
Solubility in other solvents : slightly soluble
Partition coefficient: n-octanol/water : No data available
Auto-ignition temperature : > 400 °C
Decomposition temperature : No data available
Viscosity
Viscosity, dynamic : Not applicable
Viscosity, kinematic : Not applicable
Self-Accelerating decomposition temperature (SADT) : Method: No information available.

SECTION 10. STABILITY AND REACTIVITY
Possibility of hazardous reactions : Hazardous polymerisation does not occur.
Incompatible materials : Oxidizing agents
Strong acids and strong bases
Hazardous decomposition products : Burning produces noxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity : Remarks: Not applicable
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Components:
silicon dioxide:
Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 401
Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg
GLP: no
aluminium oxide:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

dichlobenil:
Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg
Acute inhalation toxicity: Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg

diiron trioxide:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg

calcium oxide:
Acute oral toxicity: LD50 (Rat): 500 - 2,000 mg/kg

titanium dioxide:
Acute oral toxicity: LD50 (Rat): > 10,000 mg/kg
Acute inhalation toxicity: LC50 (Rat): > 6.8 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Acute dermal toxicity: LD50 (Rabbit): > 10,000 mg/kg

Skin corrosion/irritation

Product:
Species: Rabbit
Assessment: No skin irritation

Components:
silicon dioxide:
Method: OECD Test Guideline 404
Result: No skin irritation

aluminium oxide:
Species: Rabbit
Method: OECD-Guideline No. 404
Result: No skin irritation

dichlobenil:
Assessment: No skin irritation

magnesium oxide:
Species: Humans
Result: No skin irritation

**calcium oxide:**
Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes

**titanium dioxide:**
Species: Rabbit
Result: No skin irritation

**Serious eye damage/eye irritation**

**Product:**
Species: Rabbit
Assessment: No eye irritation

**Components:**

**silicon dioxide:**
Result: No eye irritation

**aluminium oxide:**
Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

**dichlobenil:**
Assessment: No eye irritation

**magnesium oxide:**
Result: Eye irritation

**calcium oxide:**
Result: Risk of serious damage to eyes.

**titanium dioxide:**
Species: Rabbit
Result: No eye irritation

**Respiratory or skin sensitisation**

**Product:**
Remarks: Non sensitizing.

**Components:**

**silicon dioxide:**
Test Type: Maximisation Test (GPMT)
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.
**dichlobenil:**
Result: Did not cause sensitisation on laboratory animals.

**diiron trioxide:**
Species: Guinea pig  
Assessment: Did not cause sensitisation on laboratory animals.

**calcium oxide:**  
Species: Human  
Assessment: Did not cause sensitisation on laboratory animals.

**titanium dioxide:**  
Species: Guinea pig  
Assessment: Did not cause sensitisation on laboratory animals.

### Germ cell mutagenicity

**Product:**
Germ cell mutagenicity -  
Assessment : Weight of evidence does not support classification as a germ cell mutagen.

**Components:**

<table>
<thead>
<tr>
<th>silicon dioxide:</th>
<th>Genotoxicity in vitro</th>
<th>Test Type: Ames test</th>
<th>Metabolic activation: with and without metabolic activation</th>
<th>Result: negative</th>
<th>GLP: no</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genotoxicity in vivo</td>
<td>Test Type: Unscheduled DNA synthesis (UDS)</td>
<td>Result: negative</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Genotoxicity in vivo**
Species: Rat (male)  
Application Route: Oral  
Result: negative  
GLP: no  

Test Type: in vivo assay  
Species: Rat (male and female)  
Application Route: Oral  
Result: negative  
GLP: no

Germ cell mutagenicity -  
Assessment : Animal testing did not show any mutagenic effects.

**aluminium oxide:**
Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

Germ cell mutagenicity -  
Assessment : In vitro tests did not show mutagenic effects
**dichlobenil:**
Germ cell mutagenicity - Assessment
: Animal testing did not show any mutagenic effects.

**diiron trioxide:**
Genotoxicity in vitro
: Test Type: Ames test
  Metabolic activation: with and without metabolic activation
  Result: negative

**calcium oxide:**
Genotoxicity in vitro
: Test Type: In Vitro mammalian Cell Gene Mutation Test
  Result: negative

: Test Type: in vitro assay
  Metabolic activation: with and without metabolic activation
  Result: negative

: Test Type: Ames test
  Metabolic activation: with and without metabolic activation
  Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)
  Result: negative

Germ cell mutagenicity - Assessment
: In vitro tests did not show mutagenic effects

**titanium dioxide:**
Genotoxicity in vitro
: Test Type: Ames test
  Metabolic activation: with and without metabolic activation
  Result: negative

: Test Type: Unscheduled DNA synthesis (UDS)
  Result: negative

: Test Type: in vitro assay
  Metabolic activation: with and without metabolic activation
  Result: negative

: Test Type: Chromosome aberration test in vitro
  Metabolic activation: with and without metabolic activation
  Result: negative

Genotoxicity in vivo
: Test Type: in vivo assay
  Species: Rat (female)
  Application Route: Oral
  Result: negative

Germ cell mutagenicity - Assessment
: Animal testing did not show any mutagenic effects.

**Carcinogenicity**

**Product:**
Components:
silicon dioxide:
Species: Rat, (male and female)
Application Route: Oral

Species: Mouse, (male and female)
Application Route: Oral

Carcinogenicity - Assessment:
Weight of evidence does not support classification as a carcinogen

Animal testing did not show any carcinogenic effects.

dichlobenil:
Carcinogenicity - Assessment:
No evidence of carcinogenicity in animal studies.

diiron trioxide:
Carcinogenicity - Assessment:
Animal testing did not show any carcinogenic effects.

titanium dioxide:
Carcinogenicity - Assessment:
Not classifiable as a human carcinogen.

Limited evidence of carcinogenicity in animal studies. Tumors were noticed after prolonged inhalation toxicity testing on rats. Considered carcinogenic to animals in certain countries.

IARC
Group 1: Carcinogenic to humans
kaolin 1332-58-7

Group 2B: Possibly carcinogenic to humans

OSHA
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP
Known to be human carcinogen
kaolin 1332-58-7

Reproductive toxicity
Product:
Reproductive toxicity - Assessment:
Weight of evidence does not support classification for reproductive toxicity
Components:
silicon dioxide:
Reproductive toxicity - Assessment:
No toxicity to reproduction
No effects on or via lactation
calcium oxide:
Reproductive toxicity - Assessment:
No toxicity to reproduction
No effects on or via lactation

STOT - single exposure
Components:
calcium oxide:
Exposure routes: Inhalation
Assessment: May cause respiratory irritation.

STOT - repeated exposure
Components:
diiron trioxide:
Exposure routes: Oral
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
titanium dioxide:
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity
Components:
silicon dioxide:
Species: Rat, male and female
NOAEL: < 0.001 mg/kg
Application Route: Inhalation
Exposure time: 13 weeks
GLP: yes
Species: Rat, male
Application Route: Inhalation
Target Organs: Lungs

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:
Toxicity to fish: LC50: 317 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 155 mg/l
Exposure time: 48 h
Toxicity to algae: IC50 (Pseudokirchneriella subcapitata (green algae)): 50 mg/l
Exposure time: 72 h

Components:
silicon dioxide:
Toxicity to fish: LC50 (Danio rerio (zebra fish)): > 5,000 mg/l
Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 5,000 mg/l
Exposure time: 24 h
Toxicity to algae: EC50 (Chlorella pyrenoidosa (algae)): 440 mg/l
Exposure time: 72 h
calcium oxide:
Toxicity to fish: LC50 (Cyprinus carpio (Carp)): 1,070 mg/l
Exposure time: 96 h
Test Type: static test
Toxicity to daphnia and other aquatic invertebrates: EC50: 159.6 mg/l
Exposure time: 24 h
kaolin:
Toxicity to daphnia and other aquatic invertebrates: LC50 (Daphnia magna (Water flea)): > 1,100 mg/l
Exposure time: 48 h
titanium dioxide:
Toxicity to fish: LC0 (Leuciscus idus (Golden orfe)): 1,000 mg/l
Exposure time: 48 h
Test Type: static test
LC50 (Cyprinodon variegatus (sheepshead minnow)): 240 - 370 mg/l
Exposure time: 96 h

Persistence and degradability

Components:
silicon dioxide:
Biodegradability Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:
Ozone-Depletion Potential Regulation: 40 CFR Protection of Environment; Part 82 Pro-
SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Dispose of waste in accordance with environmental legislation. The product should not be allowed to enter drains, water courses or the soil.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations

49 CFR
Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Component RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichlobenil</td>
<td>1194-65-6</td>
<td>100</td>
<td>2394</td>
</tr>
</tbody>
</table>

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichlobenil</td>
<td>1194-65-6</td>
<td>4.1777 %</td>
</tr>
</tbody>
</table>

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>dichlobenil</td>
<td>1194-65-6</td>
<td>4.1777 %</td>
</tr>
</tbody>
</table>

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

- kaolin 1332-58-7
- titanium dioxide 13463-67-7
- quartz (SiO2) 14808-60-7

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

methanol 67-56-1

FIFRA Hazard Information:

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 pesticide label also includes other important information, including directions for use.

The hazard information required on the pesticide label is reproduced below.

CAUTION

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing dust.
Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. This chemical has properties and characteristics associated with chemicals detected in ground-water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50% of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECCS - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
<table>
<thead>
<tr>
<th>Country</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pakistan</td>
<td>+65 3158 1329</td>
</tr>
<tr>
<td>Philippines</td>
<td>+65 31581203</td>
</tr>
<tr>
<td>Sri Lanka</td>
<td>+65 3158 1195</td>
</tr>
<tr>
<td>Emergency Phone Number</td>
<td>+65 3158 1200</td>
</tr>
<tr>
<td>Middle East / Africa:</td>
<td>Arabic speaking countries</td>
</tr>
<tr>
<td>South Africa</td>
<td>+27 21 300 2732</td>
</tr>
<tr>
<td>All other countries</td>
<td>+44 (0) 1235 239 670</td>
</tr>
<tr>
<td>America</td>
<td></td>
</tr>
<tr>
<td>United States of America and Canada</td>
<td>+1866 928 0789</td>
</tr>
<tr>
<td></td>
<td>+1 215 207 0061</td>
</tr>
<tr>
<td>Latin America:</td>
<td></td>
</tr>
<tr>
<td>Brazil</td>
<td>+55 11 3197 5891</td>
</tr>
<tr>
<td>Mexico</td>
<td>+52 555 004 8763</td>
</tr>
<tr>
<td>Chile</td>
<td>+56 225 829 336</td>
</tr>
<tr>
<td>All other countries</td>
<td>+44 (0) 1235 239 670</td>
</tr>
</tbody>
</table>