

# SAFETY DATA SHEET

## DOW AGROSCIENCES AUSTRALIA LIMITED

**Product name:** GALLERY™ 750 DF Herbicide

**Issue Date:** 21.06.2016

**Print Date:** 21.06.2016

DOW AGROSCIENCES AUSTRALIA LIMITED encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

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### SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

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**Product name:** GALLERY™ 750 DF Herbicide

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

**Identified uses:** End use herbicide product

#### COMPANY IDENTIFICATION

DOW AGROSCIENCES AUSTRALIA LIMITED  
LVL 5 20 RODBOROUGH RD  
FRENCHS FOREST NSW 2086  
AUSTRALIA

**Customer Information Number:**

1800-700-096

auscustomerservice@dow.com

#### EMERGENCY TELEPHONE NUMBER

**24-Hour Emergency Contact:** 613-9663-2130

**Local Emergency Contact:** 1800-033-882

**For advice, contact a doctor (at once) or the Australian Poisons Information Centre:** 131 126

**Transport Emergency Only Dial** 000

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### SECTION 2: HAZARD(S) IDENTIFICATION

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#### GHS Classification

Acute aquatic toxicity - Category 1

Chronic aquatic toxicity - Category 1

#### GHS label elements

**Hazard pictograms**



Signal word: **WARNING!**

**Hazard statements**

Very toxic to aquatic life with long lasting effects.

**Precautionary statements****Prevention**

Avoid release to the environment.

**Response**

Collect spillage.

**Disposal**

Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

No data available

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**SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS, IN ACCORDANCE WITH SCHEDULE 8**

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This product is a mixture.

| <b>Component</b>                                   | <b>CASRN</b>  | <b>Concentration</b> |
|--|---------------|----------------------|
| Isoxaben   | 82558-50-7    | 75.0%                |
| Kaolin   | 1332-58-7     | < 10.0 %             |
| Diisopropyl-naphthalene Sulfonic Acid, Sodium Salt | 1322-93-6     | < 5.0 %              |
| Titanium dioxide                                   | 13463-67-7    | < 1.0 %              |
| Balance  | Not available | <= 13.8 %            |

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**SECTION 4: FIRST AID MEASURES**

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**Description of first aid measures**

**General advice:** First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.

**Skin contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Suitable emergency safety shower facility should be available in work area.

**Eye contact:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice. Suitable emergency eye wash facility should be immediately available.

**Ingestion:** No emergency medical treatment necessary.

**Most important symptoms and effects, both acute and delayed:** Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

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

**Notes to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment.

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## SECTION 5: FIREFIGHTING MEASURES

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**Hazchem Code**

2X

**Suitable extinguishing media:** Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam.

**Unsuitable extinguishing media:** No data available

**Special hazards arising from the substance or mixture**

**Hazardous combustion products:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Carbon monoxide. Carbon dioxide.

**Unusual Fire and Explosion Hazards:** Container may rupture from gas generation in a fire situation. Do not permit dust to accumulate. When suspended in air dust can pose an explosion hazard. Minimize ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur. Dense smoke is produced when product burns.

**Advice for firefighters**

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Consider feasibility of a controlled burn to minimize environment damage. Foam fire extinguishing system is preferred because uncontrolled water can spread possible contamination. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Move container from fire area if this is possible without hazard. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this (M)SDS.

**Special protective equipment for firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures:** Isolate area. Refer to section 7, Handling, for additional precautionary measures. Keep unnecessary and unprotected personnel from entering the area. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. Spills or discharge to natural waterways is likely to kill aquatic organisms.

**Methods and materials for containment and cleaning up:** Contain spilled material if possible. Small spills: Sweep up. Collect in suitable and properly labeled containers. Large spills: Contact Dow AgroSciences for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

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## SECTION 7: HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

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**Precautions for safe handling:** Keep away from heat, sparks and flame. Keep out of reach of children. Avoid contact with eyes, skin, and clothing. Avoid breathing dust or mist. Do not swallow. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. No smoking, open flames or sources of ignition in handling and storage area. Good housekeeping and controlling of dusts are necessary for safe handling of product. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

**Conditions for safe storage:** Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water supplies.

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## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Control parameters

Exposure limits are listed below, if they exist.

| Component        | Regulation | Type of listing         | Value/Notation                          |
|------------------|------------|-------------------------|---|
| Kaolin           | ACGIH      | TWA Respirable fraction | 2 mg/m <sup>3</sup>                     |
|                  | AU OEL     | TWA                     | 10 mg/m <sup>3</sup>                    |
| Titanium dioxide | ACGIH      | TWA                     | 10 mg/m <sup>3</sup> , Titanium dioxide |
|                  | Dow IHG    | TWA                     | 2.4 mg/m <sup>3</sup>                   |

AU OEL

TWA

10 mg/m<sup>3</sup>

RECOMMENDATIONS IN THIS SECTION ARE FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD SEE THE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.

**Exposure controls**

**Engineering controls:** Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

**Individual protection measures**

**Eye/face protection:** Use chemical goggles.

**Skin protection**

**Hand protection:** Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Use chemical resistant gloves classified under standard AS/NZS 2161.10: Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). When prolonged or frequently repeated contact may occur, a glove is recommended to prevent contact with the solid material. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Wear clean, body-covering clothing.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

**Other Information:** Selection and use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian/New Zealand Standards, including:

AS/NZS 1336: Eye and face protection – Guidelines.

AS/NZS 1337: Personal eye protection - Eye and face protectors for occupational applications.

AS/NZS 1715: Selection, use and maintenance of respiratory protective equipment.

AS/NZS 2161: Occupational protective gloves.

AS/NZS 2210: Occupational protective footwear.

AS/NZS 4501: Occupational protective clothing Set

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance****Physical state**

Granules.

|   |  |
|---|--|
| <b>Color</b>                                  | Tan  |
| <b>Odor</b>                                   | Aromatic                                       |
| <b>Odor Threshold</b>                         | No test data available                         |
| <b>pH</b>                                     | 8.5 - 10.0 <i>pH Electrode</i> (aqueous 50/50) |
| <b>Melting point/range</b>                    | No test data available                         |
| <b>Freezing point</b>                         | Not applicable                                 |
| <b>Boiling point (760 mmHg)</b>               | Not applicable                                 |
| <b>Flash point</b>                            | <b>closed cup</b> Not applicable               |
| <b>Evaporation Rate (Butyl Acetate = 1)</b>   | Not applicable                                 |
| <b>Flammability (solid, gas)</b>              | No data available                              |
| <b>Lower explosion limit</b>                  | Not applicable                                 |
| <b>Upper explosion limit</b>                  | Not applicable                                 |
| <b>Vapor Pressure</b>                         | Not applicable                                 |
| <b>Relative Vapor Density (air = 1)</b>       | Not applicable                                 |
| <b>Relative Density (water = 1)</b>           | Not applicable                                 |
| <b>Water solubility</b>                       | Disperses in water                             |
| <b>Partition coefficient: n-octanol/water</b> | No data available                              |
| <b>Auto-ignition temperature</b>              | 415 °C   |
| <b>Decomposition temperature</b>              | No test data available                         |
| <b>Kinematic Viscosity</b>                    | Not applicable                                 |
| <b>Explosive properties</b>                   | No   |
| <b>Oxidizing properties</b>                   | No data available                              |
| <b>Bulk density</b>                           | 0.384 g/cm <sup>3</sup> <i>Unspecified</i>     |
| <b>Molecular weight</b>                       | No data available                              |

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## SECTION 10: STABILITY AND REACTIVITY

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**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** Stable under recommended storage conditions. See Storage, Section 7. Unstable at elevated temperatures.

**Possibility of hazardous reactions:** Polymerization will not occur.

**Conditions to avoid:** Active ingredient decomposes at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems. Avoid direct sunlight.

**Incompatible materials:** None known.

**Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide. Nitrogen oxides. Toxic gases are released during decomposition.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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*Toxicological information appears in this section when such data is available.*

### Acute toxicity

#### Acute oral toxicity

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product:

LD50, Rat, male and female, > 5,000 mg/kg

#### Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product:

LD50, Rabbit, male and female, > 5,000 mg/kg

#### Acute inhalation toxicity

Inhalation is unlikely due to physical state. Prolonged excessive exposure to dust may cause adverse effects.

As product: The LC50 has not been determined.

### Skin corrosion/irritation

Prolonged contact may cause moderate skin irritation with local redness.

### Serious eye damage/eye irritation

May cause moderate eye irritation which may be slow to heal.

May cause slight temporary corneal injury.

Solid or dust may cause irritation or corneal injury due to mechanical action.

### Sensitization

For the active ingredient(s):

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

### Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

### Specific Target Organ Systemic Toxicity (Repeated Exposure)

For the active ingredient(s):

In animals, effects have been reported on the following organs:

Kidney.

Liver.

### Carcinogenicity

For the active ingredient(s): An increase in nonmalignant liver tumors was observed with isoxaben in one of two species tested. A risk assessment has been conducted for this product and has shown, that under normal handling, the minor components will not pose a hazard.

**Teratogenicity**

For the active ingredient(s): Has caused birth defects in laboratory animals only at doses toxic to the mother.

**Reproductive toxicity**

For the active ingredient(s): In animal studies, has been shown to interfere with reproduction in females.

**Mutagenicity**

For the active ingredient(s): In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were predominantly negative.

**Aspiration Hazard**

Based on physical properties, not likely to be an aspiration hazard.

**COMPONENTS INFLUENCING TOXICOLOGY:**

**Isoxaben**

**Acute inhalation toxicity**

Prolonged excessive exposure to dust may cause adverse effects. Based on the available data, narcotic effects were not observed. Based on the available data, respiratory irritation was not observed.

LC50, Rat, male and female, 4 Hour, Aerosol, > 2.93 mg/l

Maximum attainable concentration. No deaths occurred at this concentration.

**Kaolin**

**Acute inhalation toxicity**

The LC50 has not been determined.

**Diisopropylnaphthalene Sulfonic Acid, Sodium Salt**

**Acute inhalation toxicity**

The LC50 has not been determined.

**Titanium dioxide**

**Acute inhalation toxicity**

LC50, Rat, male, 4 Hour, Dust, > 6.82 mg/l No deaths occurred at this concentration.

**Balance**

**Acute inhalation toxicity**

The LC50 has not been determined.

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**SECTION 12: ECOLOGICAL INFORMATION**

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*Ecotoxicological information appears in this section when such data is available.*



## Ecotoxicity

### Isoxaben

#### **Acute toxicity to fish**

Material is very highly toxic to aquatic organisms on an acute basis (LC50/EC50 <0.1 mg/L in the most sensitive species).

The LC50 value is above the water solubility.

LC50, Oncorhynchus mykiss (rainbow trout), static test, 96 Hour, 1.2 mg/l, OECD Test Guideline 203 or Equivalent

The LC50 value is above the water solubility.

LC50, Cyprinodon variegatus (sheepshead minnow), static test, 96 Hour, > 0.87 mg/l, OECD Test Guideline 203 or Equivalent

#### **Acute toxicity to aquatic invertebrates**

The EC50 value is above the water solubility.

EC50, Daphnia magna (Water flea), static test, 48 Hour, > 1.3 mg/l, OECD Test Guideline 202 or Equivalent

#### **Acute toxicity to algae/aquatic plants**

EbC50, Lemna minor (duckweed), static test, 7 d, Biomass, 0.011 mg/l, OECD Test Guideline 201 or Equivalent

The EC50 value is above the water solubility.

ErC50, Pseudokirchneriella subcapitata (green algae), static test, 72 Hour, Growth rate inhibition, > 1.2 mg/l

The EC50 value is above the water solubility.

ErC50, Skeletonema costatum (marine diatom), static test, 72 Hour, > 0.49 mg/l

#### **Toxicity to bacteria**

EC50, activated sludge, Respiration inhibition, 3 Hour, Respiration rates., > 100 mg/l

#### **Chronic toxicity to fish**

NOEC, Pimephales promelas (fathead minnow), semi-static test, 33 d, growth, 0.4 mg/l

LOEC, Pimephales promelas (fathead minnow), semi-static test, 33 d, growth, > 0.40 mg/l

MATC (Maximum Acceptable Toxicant Level), Pimephales promelas (fathead minnow), semi-static test, 33 d, growth, > 0.40 mg/l

#### **Chronic toxicity to aquatic invertebrates**

NOEC, Daphnia magna (Water flea), static test, 21 d, growth, 0.69 mg/l

LOEC, Daphnia magna (Water flea), static test, 21 d, growth, 1.01 mg/l

MATC (Maximum Acceptable Toxicant Level), Daphnia magna (Water flea), static test, 21 d, growth, 0.85 mg/l

NOEC, saltwater mysid Mysidopsis bahia, flow-through test, 28 d, 0.841 mg/l

LOEC, saltwater mysid Mysidopsis bahia, flow-through test, 28 d, > 0.841 mg/l

NOEC, Midge (Chironomus riparius), static test, 28 d, mortality, 32 mg/l

LOEC, Midge (Chironomus riparius), static test, 28 d, mortality, 64 mg/l

MATC (Maximum Acceptable Toxicant Level), Midge (Chironomus riparius), static test, 28 d, mortality, 48 mg/l

#### **Toxicity to Above Ground Organisms**

Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).

Material is moderately toxic to birds on a dietary basis (LC50 between 501 and 1000 ppm).

oral LD50, Colinus virginianus (Bobwhite quail), 14 d, > 2000mg/kg bodyweight.

LC50, Colinus virginianus (Bobwhite quail), 8 d, > 937mg/kg diet.

oral LD50, Apis mellifera (bees), > 100micrograms/bee

contact LD50, Apis mellifera (bees), 48 Hour, > 100micrograms/bee

**Toxicity to soil-dwelling organisms**

LC50, Eisenia fetida (earthworms), 14 d, > 1,000 mg/kg

**Kaolin**

**Acute toxicity to fish**

Not expected to be acutely toxic to aquatic organisms.

**Diisopropyl-naphthalene Sulfonic Acid, Sodium Salt**

**Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).  
LC50, Oryzias latipes (Orange-red killifish), 48 Hour, 275 mg/l

**Titanium dioxide**

**Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).  
NOEC mortality, Leuciscus idus (Golden orfe), static test, 48 Hour, > 1,000 mg/l

**Acute toxicity to aquatic invertebrates**

EC50, Daphnia magna (Water flea), static test, 48 Hour, > 1,000 mg/l

**Balance**

**Acute toxicity to fish**

No relevant data found.

**Persistence and degradability**

**Isoxaben**

**Biodegradability:** Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability. Biodegradation rate may increase in soil and/or water with acclimation.

10-day Window: Fail

**Biodegradation:** 1 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301B or Equivalent

**Theoretical Oxygen Demand:** 1.98 mg/mg

**Chemical Oxygen Demand:** 1.77 mg/g

**Stability in Water (1/2-life)**

Hydrolysis, half-life, > 5 d, pH 7.0

**Photodegradation**

**Test Type:** Half-life (direct photolysis)

**Method:** Measured

**Photodegradation**

**Test Type:** Half-life (direct photolysis)

**Photodegradation**

**Test Type:** Half-life (indirect photolysis)

**Sensitizer:** OH radicals

**Atmospheric half-life:** 0.628 Hour

**Method:** Estimated.

**Kaolin**

**Biodegradability:** Biodegradation is not applicable.

**Diisopropylnaphthalene Sulfonic Acid, Sodium Salt**

**Biodegradability:** Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

**Biodegradation:** 0 %

**Exposure time:** 14 d

**Method:** OECD Test Guideline 302C or Equivalent

**Titanium dioxide**

**Biodegradability:** Biodegradation is not applicable.

**Balance**

**Biodegradability:** No relevant data found.

**Bioaccumulative potential**

**Bioaccumulation:** No data available.

**Mobility in Soil**

**Isoxaben**

Potential for mobility in soil is low (Koc between 500 and 2000).

**Partition coefficient (Koc):** 700 - 1290

**Kaolin**

No relevant data found.

**Diisopropylnaphthalene Sulfonic Acid, Sodium Salt**

No relevant data found.

**Titanium dioxide**

No data available.

**Balance**

No relevant data found.

**Results of PBT and vPvB assessment**

**Isoxaben**

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

**Kaolin**

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

**Diisopropylnaphthalene Sulfonic Acid, Sodium Salt**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Titanium dioxide**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Balance**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Other adverse effects****Isoxaben**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Kaolin**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Diisopropyl naphthalene Sulfonic Acid, Sodium Salt**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Titanium dioxide**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Balance**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

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**Disposal methods:** If wastes and/or containers cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local or area regulatory authorities. This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. If the material as supplied becomes a waste, follow all applicable regional, national and local laws.

This product when disposed of in its unused and uncontaminated state should be treated as a hazardous waste.

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## **SECTION 14: TRANSPORT INFORMATION**

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**ADG**

|                             |  |
|-----------------------------|--|
| <b>Proper shipping name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Isoxaben) |
| <b>UN number</b>            | UN 3077  |
| <b>Class</b>                | 9  |
| <b>Packing group</b>        | III  |
| <b>Marine pollutant</b>     | Isoxaben   |

**Classification for SEA transport (IMO-IMDG):**

|                             |  |
|-----------------------------|--|
| <b>Proper shipping name</b> | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Isoxaben) |
|-----------------------------|--|

|   |  |
|---|--|
| <b>UN number</b>  | UN 3077  |
| <b>Class</b>  | 9  |
| <b>Packing group</b>  | III  |
| <b>Marine pollutant</b>   | Isoxaben   |
| <b>Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code</b> | Consult IMO regulations before transporting ocean bulk |

**Classification for AIR transport (IATA/ICAO):**

|                             |  |
|-----------------------------|--|
| <b>Proper shipping name</b> | Environmentally hazardous substance, solid, n.o.s.(Isoxaben) |
| <b>UN number</b>            | UN 3077  |
| <b>Class</b>                | 9  |
| <b>Packing group</b>        | III  |

**Hazchem Code**

2X

**Further information:**

Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to the Australian Code for the Transport of Dangerous Goods (ADG). This applies when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs per ADG Special Provision AU01.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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**SECTION 15: REGULATORY INFORMATION**

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**Poison Schedule**

S5

APVMA Approval Number: 47333

**Australia Inventory of Chemical Substances (AICS)**

The product is used in a biocide/pesticide application and is subject to the applicable regulation. It contains a component exempt from inventory listing requirements. Because an intentional component of the product is not on the inventory, the product may only be used in the exempt application.

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**SECTION 16: ANY OTHER RELEVANT INFORMATION**

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**Revision**

Identification Number: 101199835 / A143 / Issue Date: 21.06.2016 / Version: 3.4

DAS Code: FN-3133

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

|         |  |
|---------|--|
| ACGIH   | USA. ACGIH Threshold Limit Values (TLV)                            |
| AU OEL  | Australia. Workplace Exposure Standards for Airborne Contaminants. |
| Dow IHG | Dow Industrial Hygiene Guideline                                   |
| TWA     | Time weighted average  |

DOW AGROSCIENCES AUSTRALIA LIMITED urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.