

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03  
Version: 4.0

Page: 1/12  
(30631589/SDS\_CPA\_US/EN)

### 1. Identification

#### Product identifier used on the label

## Termidor 80 WG Termiticide/Insecticide

#### Recommended use of the chemical and restriction on use

Recommended use\*: crop protection product, insecticide

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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

Company:  
BASF Agricultural Solutions US LLC  
2 TW Alexander Drive  
Research Triangle Park, NC 27713  
USA

Telephone: +1 973 245-6000

#### Emergency telephone number

#### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Substance number: 691200  
EPA Registration number: 7969-209  
Synonyms: Fipronil

### 2. Hazards Identification

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

|            |                       |   |
|------------|-----------------------|---|
| Acute Tox. | 2 (Inhalation - dust) | Acute toxicity                            |
| Acute Tox. | 3 (oral)              | Acute toxicity                            |
| Acute Tox. | 3 (dermal)            | Acute toxicity                            |
| STOT RE    | 1                     | Specific target organ toxicity — repeated |

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03  
Version: 4.0

Page: 2/12  
(30631589/SDS\_CPA\_US/EN)

|                 |   |  |
|-----------------|---|--|
| Aquatic Acute   | 1 | exposure                                       |
| Aquatic Chronic | 1 | Hazardous to the aquatic environment - acute   |
|                 |   | Hazardous to the aquatic environment - chronic |

### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

|             |  |
|-------------|--|
| H330        | Fatal if inhaled.  |
| H301 + H311 | Toxic if swallowed or in contact with skin   |
| H372        | Causes damage to organs (Central nervous system) through prolonged or repeated exposure. |
| H400        | Very toxic to aquatic life.  |
| H410        | Very toxic to aquatic life with long lasting effects.                                    |

Precautionary Statements (Prevention):

|      |  |
|------|--|
| P271 | Use only outdoors or in a well-ventilated area.                |
| P280 | Wear protective gloves and clothing.                           |
| P273 | Avoid release to the environment.                              |
| P260 | Do not breathe dust/gas/mist/vapours.                          |
| P284 | In case of inadequate ventilation wear respiratory protection. |
| P270 | Do not eat, drink or smoke when using this product.            |
| P264 | Wash contaminated body parts thoroughly after handling.        |

Precautionary Statements (Response):

|             |  |
|-------------|--|
| P310        | Immediately call a POISON CENTER or physician.                             |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.                            |
| P361 + P364 | Take off immediately all contaminated clothing and wash it before reuse.   |
| P330        | Rinse mouth  |
| P391        | Collect spillage.  |

Precautionary Statements (Storage):

|             |  |
|-------------|--|
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P405        | Store locked up.   |

Precautionary Statements (Disposal):

|      |   |
|------|---|
| P501 | Dispose of contents/container in accordance with local regulations. |
|------|---|

### Hazards not otherwise classified

Labeling of special preparations (GHS):

This product is not combustible in the form in which it is shipped by the manufacturer, but may form a combustible dust through downstream activities (e.g. grinding, pulverizing) that reduce its particle size.

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03  
Version: 4.0

Page: 3/12  
(30631589/SDS\_CPA\_US/EN)

### 3. Composition / Information on Ingredients

#### **According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

##### Fipronil

CAS Number: 120068-37-3  
Content (W/W): 80.0 %  
Synonym: Fipronil

##### sodium-di-ethyl-hexyl-sulfosuccinate

CAS Number: 577-11-7  
Content (W/W): 1.0 - 3.0%  
Synonym: Sulfobutanedioic acid 1,4-bis(2-ethylhexyl) ester, sodium salt; Docusa  
te sodium, Sodium dioctyl sulfosuccinate, Dioctyl sodium sulfosuccinat  
e

### 4. First-Aid Measures

#### **Description of first aid measures**

##### **General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

##### **If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention.

##### **If on skin:**

Immediately wash thoroughly with soap and water, seek medical attention.

##### **If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

##### **If swallowed:**

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

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

##### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 4/12

(30631589/SDS\_CPA\_US/EN)

### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:  
carbon dioxide, water jet

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

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, hydrogen fluoride, Hydrogen chloride, nitrogen oxides, sulfur oxides, halogenated compounds

The substances/groups of substances mentioned can be released in case of fire.

#### Advice for fire-fighters

Protective equipment for fire-fighting:

Wear self-contained breathing apparatus and chemical-protective clothing.

#### Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

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### 6. Accidental release measures

#### Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

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

Avoid dust formation. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

#### Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

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

Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal. Nonsparking tools should be used.

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### 7. Handling and Storage

#### Precautions for safe handling

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 5/12

(30631589/SDS\_CPA\_US/EN)

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Remove contaminated clothing and protective equipment before entering eating areas.

Protection against fire and explosion:

Avoid dust formation. Dust can form an explosive mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

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## 8. Exposure Controls/Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

### Components with occupational exposure limits

Fipronil TWA value 0.042 mg/m<sup>3</sup> ;

### Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

### Personal protective equipment

### RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) particulate respirator. Suitable respiratory protection should be used if vapour may be inhaled. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

#### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 6/12

(30631589/SDS\_CPA\_US/EN)

### Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

### General safety and hygiene measures:

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

## 9. Physical and Chemical Properties

|   |  |                                |
|---|--|--------------------------------|
| Form:   | solid  |                                |
| Odour:  | characteristic   |                                |
| Odour threshold:                                    | Not determined since toxic by inhalation.  |                                |
| Colour:   | light brown  |                                |
| pH value:   | approx. 8 - 10<br>( 25 °C)   |                                |
| Melting temperature:                                | The product has not been tested.   |                                |
| boiling temperature:                                | The product has not been tested.   |                                |
| Flash point:  | not applicable, the product is a solid   |                                |
| Flammability:                                       | not highly flammable   | (Directive<br>92/69/EEC, A.10) |
| Lower explosion limit:                              | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |                                |
| Upper explosion limit:                              | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. |                                |
| Vapour pressure:                                    | not applicable<br>< 0.002 mPa<br>( 25 °C)  |                                |
| Bulk density:                                       | approx. 688 - 777 kg/m <sup>3</sup><br>(approx. 21 °C)   |                                |
| Vapour density:                                     | not applicable   |                                |
| Partitioning coefficient n-octanol/water (log Pow): | not applicable   |                                |
| Self-ignition temperature:                          | not self-igniting  |                                |
| Thermal decomposition:                              | No decomposition if stored and handled as prescribed/indicated.  |                                |
| Viscosity, dynamic:                                 | not applicable, the product is a solid   |                                |
| Solubility in water:                                | dispersible  |                                |
| Evaporation rate:                                   | not applicable   |                                |

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 7/12

(30631589/SDS\_CPA\_US/EN)

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

### 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

not fire-propagating (Directive 92/69/EEC, A.17)

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

#### Conditions to avoid

See SDS section 7 - Handling and storage.

#### Incompatible materials

strong acids, strong bases, strong oxidizing agents

#### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### 11. Toxicological information

#### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Acute Toxicity/Effects

##### Acute toxicity

Assessment of acute toxicity: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Of pronounced toxicity after single ingestion. Of high toxicity after short-term inhalation. Of pronounced toxicity after short-term skin contact.

##### Oral

Type of value: LD50

Species: rat (male)

Value: approx. 149 mg/kg (EPA Guideline)

##### Inhalation

Type of value: LC50

Species: rat (male)

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 8/12

(30631589/SDS\_CPA\_US/EN)

Value: 0.4 mg/l  
Exposure time: 4 h  
Tested as dust aerosol.

### Dermal

Type of value: LD50  
Species: rabbit (male)  
Value: 530 mg/kg

### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

The product has not been tested. The statement has been derived from the properties of the individual components.

### Irritation / corrosion

Assessment of irritating effects: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Not irritating to the skin. Not irritating to the eyes.

### Skin

Species: rabbit  
Result: non-irritant

### Eye

Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. There is no evidence of a skin-sensitizing potential.

Species: guinea pig  
Result: Non-sensitizing.  
Method: Patch test

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

### *Information on: Fipronil*

*Assessment of repeated dose toxicity: Causes mortality and signs of neurotoxicity through prolonged or repeated exposure.*

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### Genetic toxicity

Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

### Carcinogenicity



# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 9/12

(30631589/SDS\_CPA\_US/EN)

Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Fipronil*

*Assessment of carcinogenicity: In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counter part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.*  
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### Reproductive toxicity

Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

### Teratogenicity

Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: sodium-di-ethyl-hexyl-sulfosuccinate*

*Assessment of teratogenicity: The substance did not cause malformations in animal studies; however, toxicity to development was observed at high doses which impaired body weight gain in parental animals.*  
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### Other Information

Misuse can be harmful to health.

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## 12. Ecological Information

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Toxicity to fish

LC50 (96 h) 0.291 mg/l, Oncorhynchus mykiss

#### Aquatic invertebrates

LC50 (48 h) 0.223 mg/l, Daphnia magna (OECD Guideline 202, part 1)

#### Aquatic plants

EC50 (72 h) 0.211 mg/l, Desmodemus subspicatus (OECD Guideline 201)

#### Chronic toxicity to fish

*Information on: Fipronil*

*No observed effect concentration (35 d) 0.0029 mg/l, Cyprinodon variegatus*  
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#### Chronic toxicity to aquatic invertebrates

*Information on: Fipronil*

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03  
Version: 4.0

Page: 10/12  
(30631589/SDS\_CPA\_US/EN)

*No observed effect concentration (28 d) 0.000008 mg/l, Mysidopsis bahia*  
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### Persistence and degradability

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

*Information on: Fipronil*

*Not readily biodegradable (by OECD criteria).*  
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### Bioaccumulative potential

#### Assessment bioaccumulation potential

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Bioaccumulation potential

*Information on: Fipronil*

*Bioconcentration factor: 321, Lepomis macrochirus*  
*Accumulation in organisms is not to be expected.*  
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### Mobility in soil

#### Assessment transport between environmental compartments

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Fipronil*

*Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.*  
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### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

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## 13. Disposal considerations

### **Waste disposal of substance:**

Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 11/12

(30631589/SDS\_CPA\_US/EN)

### Container disposal:

Rinse thoroughly at least three times (triple rinse) in accordance with EPA recommendations. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

## 14. Transport Information

### Land transport

USDOT

Hazard class: 6.1  
Packing group: III  
ID number: UN 2588  
Hazard label: 6.1, EHSM  
Proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains FIPRONIL)

### Sea transport

IMDG

Hazard class: 6.1  
Packing group: II  
ID number: UN 2588  
Hazard label: 6.1, EHSM  
Marine pollutant: YES  
Proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains FIPRONIL)

### Air transport

IATA/ICAO

Hazard class: 6.1  
Packing group: II  
ID number: UN 2588  
Hazard label: 6.1  
Proper shipping name: PESTICIDE, SOLID, TOXIC, N.O.S. (contains FIPRONIL)

### Further information

Inhalation data for mists/dusts were not used to classify this material for transportation because it is reasonably foreseeable that such concentrations would not be encountered by a human during transport (49CFR 173.132(b)(3)).

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Crop Protection TSCA, US released / exempt

Chemical TSCA, US blocked / not listed

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

# Safety Data Sheet

## Termidor 80 WG Termiticide/Insecticide

Revision date : 2021/07/03

Version: 4.0

Page: 12/12

(30631589/SDS\_CPA\_US/EN)

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### Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

**WARNING:** This product can expose you to chemicals including METHANOL, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### Labeling requirements under FIFRA

This chemical is a pesticide product registered by the 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, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

**WARNING:**

May be fatal if swallowed.

May be fatal if absorbed through skin.

May be fatal if inhaled.

Causes moderate eye irritation.

KEEP OUT OF REACH OF CHILDREN.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

Remove contaminated clothing and wash before reuse.

Do not get in eyes, on skin, or on clothing.

Do not breathe vapours/mists.

Wash thoroughly with soap and water after handling and before eating, drinking and using tobacco.

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## 16. Other Information

### SDS Prepared by:

BASF Agricultural Solutions US NA Product Regulations

SDS Prepared on: 2021/07/03

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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END OF DATA SHEET