

## SAFETY DATA SHEET

CORTEVA AGRISCIENCE (MALAYSIA) SDN. BHD.

#### Product name: BEAM<sup>™</sup> 75WP Fungicide

Issue Date: 21.05.2021 Print Date: 09.08.2021

CORTEVA AGRISCIENCE (MALAYSIA) SDN. BHD. encourages you and expects you to read and understand the entire SDS as there is important information throughout the document. This SDS provides users with information relating to the protection of human health and safety at the workplace, protection of the environment and supports emergency response. Product users and applicators should primarily refer to the product label attached to or accompanying the product container.

## 1. IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND OF THE SUPPLIER

Product name: BEAM™ 75WP Fungicide

Recommended use of the chemical and restrictions on use Identified uses: End use fungicide product

#### **COMPANY IDENTIFICATION**

CORTEVA AGRISCIENCE (MALAYSIA) SDN. BHD. B-3-3, THE ASCENT PARADIGM NO. 1, JALAN SS7/26A, KELANA JAYA 47301 PETALING JAYA Selangor Darul Ehsan MALAYSIA

| Customer Information Number<br>E-mail address |   | 603-7800 0280<br>SDS@corteva.com |  |
|-----------------------------------------------|---|----------------------------------|--|
| EMERGENCY TELEPHONE                           |   |                                  |  |
| 24-Hour Emergency Contact                     | : | 999                              |  |
| Local Emergency Contact                       | : | 603-7800 0287                    |  |

## 2. HAZARDS IDENTIFICATION

#### **GHS Classification**

Classified as hazardous according to regulatory criteria. Acute toxicity - Category 3 - Oral Skin corrosion/irritation - Category 2 Hazardous to the aquatic environment - chronic hazard - Category 2

GHS label elements Hazard pictograms



Signal Word: DANGER!

#### Hazard statements

Toxic if swallowed. Causes skin irritation. Toxic to aquatic life with long lasting effects.

#### Precautionary statements

#### Prevention

Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves.

#### Response

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. Collect spillage.

#### Storage

Store locked up.

#### Disposal

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

#### Other hazards

No data available

# 3. COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

| This product is a mixture.<br><b>Component</b> | CASRN      | Concentration |
|------------------------------------------------|------------|---------------|
| Tricyclazole                                   | 41814-78-2 | 75.0%         |
| Kaolin                                         | 1332-58-7  | 10.1%         |

| Amorphous precipitated silica | 112926-00-8   | 5.0% |
|-------------------------------|---------------|------|
| Quartz                        | 14808-60-7    | 0.1% |
| Balance                       | Not available | 9.8% |

## 4. FIRST AID MEASURES

## 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 available in work area.

**Ingestion:** Do not induce vomiting. Call a physician and/or transport to emergency facility immediately. Never give anything by mouth to an unconscious person.

#### 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:** May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants, antitussives and corticosteroids may be of help. If burn is present, treat as any thermal burn, after decontamination. 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. Repeated excessive exposure may aggravate preexisting lung disease.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Water. 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: Sulfur oxides. Nitrogen oxides. Carbon monoxide. Carbon dioxide.

**Unusual Fire and Explosion Hazards:** 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. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone. 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.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Isolate area. 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. Refer to section 7, Handling, for additional precautionary measures. 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.

**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 the company for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Keep away from heat, sparks and flame. Keep out of reach of children. Do not swallow. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor, dust or mist. 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.

Do not store with the following product types: Keep away from food and drink..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

| Component              | Regulation | Type of listing     | Value/Notation      |
|------------------------|------------|---------------------|---------------------|
| Kaolin                 | ACGIH      | TWA Respirable      | 2 mg/m3             |
|                        |            | particulate matter  |                     |
|                        | MY PEL     | TWA Respirable      | 2 mg/m3             |
|                        |            | particulates        |                     |
|                        | MY PEL     | PEL Respirable dust | 5 mg/m3             |
|                        | MY PEL     | PEL Total dust      | 10 mg/m3            |
| Amorphous precipitated | MY PEL     | TWA                 | 10 mg/m3            |
| silica                 |            |                     |                     |
| Quartz                 | ACGIH      | TWA Respirable      | 0.025 mg/m3 ,Silica |
|                        |            | particulate matter  |                     |
|                        | MY PEL     | TWA Respirable      | 0.1 mg/m3           |
|                        |            | fraction            |                     |
|                        | MY PEL     | PEL Respirable dust | 0.1 mg/m3           |

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.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Wash hands before breaks and immediately after handling the product. Do not breathe dust.

**Protective measures:** When using do not smoke. Do not breathe dust. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

#### Individual protection measures

Eye/face protection: Use chemical goggles.

#### Skin protection

**Hand protection:** Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Polyvinyl chloride ("PVC" or "vinyl"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). 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: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. 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. 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance                                 |                                               |
|--------------------------------------------|-----------------------------------------------|
| Physical state                             | Powder                                        |
| Color                                      | Tan                                           |
| Odor                                       | Mild                                          |
| Odor Threshold                             | No test data available                        |
| рН                                         | 7.19 1.01% ASTM E70                           |
| Melting point/range                        | > 125 °C                                      |
| Freezing point                             | No data available                             |
| Boiling point (760 mmHg)                   | Not applicable                                |
| Flash point                                | closed cup Not applicable                     |
| Evaporation Rate (Butyl Acetate<br>= 1)    | Not applicable                                |
| Flammability (solid, gas)                  | No data available                             |
| Lower explosion limit                      | Not applicable                                |
| Upper explosion limit                      | Not applicable                                |
| Vapor Pressure                             | Not applicable                                |
| Relative Vapor Density (air = 1)           | Not applicable                                |
| Relative Density (water = 1)               | Not applicable                                |
| Water solubility                           | emulsifiable                                  |
| Partition coefficient: n-<br>octanol/water | No data available                             |
| Auto-ignition temperature                  | Not applicable                                |
| Decomposition temperature                  | No test data available                        |
| Dynamic Viscosity                          | Not applicable                                |
| Kinematic Viscosity                        | Not applicable                                |
| Explosive properties                       | No Thermal                                    |
| Oxidizing properties                       | No significant increase (>5C) in temperature. |
| Bulk density                               | 0.46 g/cm3                                    |
| Molecular weight                           | No data available                             |
| •                                          |                                               |

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

## **10. STABILITY AND REACTIVITY**

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

Chemical stability: Thermally stable at recommended temperatures and pressures.

Possibility of hazardous reactions: Polymerization will not occur.

Conditions to avoid: Exposure to elevated temperatures can cause product to decompose.

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. Sulfur oxides.

## **11. TOXICOLOGICAL INFORMATION**

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

#### Acute toxicity

#### Acute oral toxicity

Moderate toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause serious injury, even death. May cause central nervous system effects.

As product: LD50, Rat, female, 180 - 275 mg/kg

#### Acute dermal toxicity

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

As product:

LD50, Rabbit, male and female, > 2,000 mg/kg No deaths occurred at this concentration.

#### Acute inhalation toxicity

Dust may cause irritation of the upper respiratory tract (nose and throat) and lungs. Prolonged excessive exposure to dust may cause adverse effects.

LC50, Rat, male and female, 4 Hour, dust/mist, > 5.13 mg/l

#### Skin corrosion/irritation

Brief contact may cause moderate skin irritation with local redness.

#### Serious eye damage/eye irritation

May cause moderate eye irritation. May cause slight corneal injury.

---Internal Use---

#### Sensitization

For similar material(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: Liver. Kidney. Testes. Gall bladder.

#### Carcinogenicity

Active ingredient did not cause cancer in laboratory animals. 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): Did not cause birth defects or any other fetal effects in laboratory animals.

#### Reproductive toxicity

For the active ingredient(s): In animal studies, did not interfere with reproduction.

#### Mutagenicity

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

#### Aspiration Hazard

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

#### Additional information

No toxicity data are available for this material.

## **12. ECOLOGICAL INFORMATION**

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

#### **General Information**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Ecotoxicity

#### Acute toxicity to fish

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested).

LC50, Oncorhynchus mykiss (rainbow trout), static test, 96 Hour, 4.03 mg/l

#### Acute toxicity to aquatic invertebrates

LC50, pink shrimp (Penaeus duorarum), static test, 96 Hour, 24 mg/l

EC50, eastern oyster (Crassostrea virginica), flow-through test, 96 Hour, > 4.0 mg/l

EC50, Daphnia magna (Water flea), static test, 48 Hour, 4.86 mg/l

EC50, water flea Daphnia magna, semi-static test, 48 Hour, 3.89 mg/l

#### Acute toxicity to algae/aquatic plants

ErC50, Pseudokirchneriella subcapitata (green algae), static test, 72 Hour, 18.9 mg/l

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

oral LD50, Apis mellifera (bees), 48 d, 126.9µg/bee

contact LD50, Apis mellifera (bees), 48 d, > 266.7µg/bee

#### Toxicity to soil-dwelling organisms

EC50, Eisenia fetida (earthworms), 14 d, > 1,333 mg/kg

#### Persistence and degradability

#### **Physico-chemical removability**

Neutralization is normally necessary before waste water is discharged into water treatment plants.

#### **Bioaccumulative potential**

#### **Tricyclazole**

**Bioaccumulation:** Bioconcentration potential is low (BCF < 100 or Log Pow < 3). **Partition coefficient:** n-octanol/water(log Pow): 1.42 OECD Test Guideline 107 or Equivalent **Bioconcentration factor (BCF):** 8.97 Fish

#### Kaolin

**Bioaccumulation:** Partitioning from water to n-octanol is not applicable.

#### Amorphous precipitated silica

**Bioaccumulation:** Partitioning from water to n-octanol is not applicable.

#### <u>Quartz</u>

Bioaccumulation: Partitioning from water to n-octanol is not applicable.

#### **Balance**

Bioaccumulation: No relevant data found.

#### **Mobility in Soil**

#### **Tricyclazole**

Potential for mobility in soil is medium (Koc between 150 and 500). **Partition coefficient (Koc):** 156.3 - 176.9

#### <u>Kaolin</u>

No relevant data found.

#### Amorphous precipitated silica

No relevant data found.

#### <u>Quartz</u>

No relevant data found.

#### **Balance**

No relevant data found.

#### Results of PBT and vPvB assessment

#### **Tricyclazole**

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).

#### <u>Kaolin</u>

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).

#### Amorphous precipitated silica

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

#### <u>Quartz</u>

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

#### **Tricyclazole**

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

#### <u>Kaolin</u>

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

#### Amorphous precipitated silica

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

#### <u>Quartz</u>

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.

## **13. DISPOSAL INFORMATION**

**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.

## 14. TRANSPORTATION INFORMATION

| Classification for ROAD and Rail t                                                                                                                                               | ransport:                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Proper shipping name                                                                                                                                                             | PESTICIDE, SOLID, TOXIC, N.O.S.(Tricyclazole)                                                                                                    |
| UN number                                                                                                                                                                        | UN 2588                                                                                                                                          |
| Class                                                                                                                                                                            | 6.1                                                                                                                                              |
| Packing group                                                                                                                                                                    | III                                                                                                                                              |
| Environmental hazards                                                                                                                                                            | Tricyclazole                                                                                                                                     |
| Classification for SEA transport (I                                                                                                                                              | MO-IMDG).                                                                                                                                        |
| Proper shipping name<br>UN number<br>Class<br>Packing group<br>Marine pollutant<br>Transport in bulk<br>according to Annex I or II<br>of MARPOL 73/78 and the<br>IBC or IGC Code | PESTICIDE, SOLID, TOXIC, N.O.S.(Tricyclazole)<br>UN 2588<br>6.1<br>III<br>Tricyclazole<br>Consult IMO regulations before transporting ocean bulk |
| Classification for AIR transport (IA                                                                                                                                             | <b>ATA/ICAO):</b>                                                                                                                                |
| Proper shipping name                                                                                                                                                             | Pesticide, solid, toxic, n.o.s.(Tricyclazole)                                                                                                    |
| UN number                                                                                                                                                                        | UN 2588                                                                                                                                          |
| Class                                                                                                                                                                            | 6.1                                                                                                                                              |
| Packing group                                                                                                                                                                    | III                                                                                                                                              |

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.

## **15. REGULATORY INFORMATION**

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

## **16. OTHER INFORMATION**

#### Hazard Rating System

NFPA

| Health | Flammability | Instability |
|--------|--------------|-------------|
| 1      | 1            | 0           |

#### Revision

Identification Number: 309390 / Issue Date: 21.05.2021 / Version: 2.3 DAS Code: GF-1455

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)                                    |
|--------|----------------------------------------------------------------------------|
| MY PEL | Malaysia. Occupational Safety and Health (Use and Standards of Exposure of |
|        | Chemicals Hazardous to Health) Regulations 2000.                           |
| PEL    | Permissible exposure limit (PEL)                                           |
| TWA    | 8-hour, time-weighted average                                              |
|        |                                                                            |

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS Globally Harmonized System; GLP - Good Laboratory Practice; 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; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL -Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; 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; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

CORTEVA AGRISCIENCE (MALAYSIA) SDN. BHD. 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.