

# SAFETY DATA SHEET

DOW AGROSCIENCES LLC

# Product name: DURSBAN™ 50W Insecticide In Water Soluble Packets

Issue Date: 12/13/2018

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DOW AGROSCIENCES LLC 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**

Product name: DURSBAN™ 50W Insecticide In Water Soluble Packets

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

#### **COMPANY IDENTIFICATION**

DOW AGROSCIENCES LLC 9330 ZIONSVILLE RD INDIANAPOLIS IN 46268-1053 UNITED STATES

**Customer Information Number:** 

800-992-5994 info@dow.com

## EMERGENCY TELEPHONE NUMBER

24-Hour Emergency Contact: 800-992-5994 Local Emergency Contact: 352-323-3500

## 2. HAZARDS IDENTIFICATION

#### Hazard classification

GHS classification in accordance with 29 CFR 1910.1200 Acute toxicity - Category 4 - Oral Carcinogenicity - Category 1A

#### Label elements Hazard pictograms



Signal word: DANGER!

#### Hazards

Harmful if swallowed. May cause cancer.

#### **Precautionary statements**

## Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protective equipment as required.

#### Response

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF exposed or concerned: Get medical advice/ attention.

#### Storage

Store locked up.

## Disposal

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

## Other hazards

No data available

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

| This product is a mixture. |
|----------------------------|
|----------------------------|

| Component            | CASRN         | Concentration       |
|----------------------|---------------|---------------------|
|                      |               |                     |
| Chlorpyrifos         | 2921-88-2     | 50.0%               |
| Calcium polysilicate | 1344-95-2     | 29.0%               |
| Kaolin               | 1332-58-7     | >= 0.4 - <= 9.6 %   |
| Titanium dioxide     | 13463-67-7    | 0.3%                |
| Quartz               | 14808-60-7    | 0.1%                |
| Balance              | Not available | >= 10.0 - <= 19.6 % |

## 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. Wash skin with soap and plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash clothing before reuse. Shoes and other leather items which cannot be decontaminated should be disposed of properly.

**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:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. 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:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration. Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. Attempt seizure control with diazepam 5-10 mg (adults) intravenous over 2-3 minutes. Repeat every 5-10 minutes as needed. Monitorfor hypotension, respiratory depression, and need for intubation. Consider second agent if seizures persist after 30 mg. If seizures persist or recur administer phenobarbital 600-1200 mg (adults) intravenous diluted in 60 ml 0.9% saline given at 25-50 mg/minute. Evaluate for hypoxia, dysrhythmia, electrolyte disturbance, hypoglycemia (treat adults with dextrose 100 mg intravenous). Maintain adequate ventilation and oxygenation of the patient. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). 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.

## **5. FIREFIGHTING MEASURES**

**Suitable extinguishing media:** Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose

synthetic foams (including AFFF) or protein foams may function, but will be less effective. Water fog, applied gently may be used as a blanket for fire extinguishment.

Unsuitable extinguishing media: Do not use direct water stream. May spread fire.

#### 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. Phosphorous compounds. Nitrogen oxides. Hydrogen chloride. Carbon monoxide. Carbon dioxide.

**Unusual Fire and Explosion Hazards:** Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Pneumatic conveying and other mechanical handling operations can generate combustible dust. To reduce the potential for dust explosions, do not permit dust to accumulate. 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. Do not use direct water stream. May spread fire. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment. 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). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to section 7, Handling, for additional precautionary measures. 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.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Keep out of reach of children. Do not swallow. Avoid breathing dust or mist. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Good housekeeping and controlling of dusts are necessary for safe handling of product. Keep away from heat, sparks and flame.

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

## 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       |
|----------------------|------------|--------------------|----------------------|
| Chlorpyrifos         | ACGIH      | TWA Inhalable      | 0.1 mg/m3            |
|                      |            | fraction and vapor |                      |
|                      | ACGIH      | TWA                | SKIN, BEI            |
| Calcium polysilicate | OSHA Z-1   | TWA total dust     | 15 mg/m3             |
|                      | OSHA Z-1   | TWA respirable     | 5 mg/m3              |
|                      |            | fraction           | -                    |
| Kaolin               | ACGIH      | TWA Respirable     | 2 mg/m3              |
|                      |            | fraction           | -                    |
|                      | OSHA Z-1   | TWA total dust     | 15 mg/m3             |
|                      | OSHA Z-1   | TWA respirable     | 5 mg/m3              |
|                      |            | fraction           | C                    |
| Titanium dioxide     | Dow IHG    | TWA                | 2.4 mg/m3            |
|                      | OSHA Z-1   | TWA total dust     | 15 mg/m3             |
|                      | ACGIH      | TWA                | 10 mg/m3 , Titanium  |
|                      |            |                    | dioxide              |
| Quartz               | OSHA CARC  | TWA respirable     | 0.05 mg/m3           |
|                      | ACGIH      | TWA Respirable     | 0.025 mg/m3 , Silica |
|                      |            | fraction           | <b>C</b>             |
|                      | OSHA Z-1   | TWA Respirable     | 0.05 mg/m3           |
|                      |            | , dust             | 5                    |

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 local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure

limit requirements or guidelines, general ventilation should be sufficient for most operations. 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. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). 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, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved particulate respirator.

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                                | Gray                      |
| Odor                                 | Obnoxious                 |
| Odor Threshold                       | No test data available    |
| рН                                   | Not applicable            |
| Melting point/range                  | No test data available    |
| Freezing point                       | Not applicable            |
| Boiling point (760 mmHg)             | Not applicable            |
| Flash point                          | closed cup Not applicable |
| Evaporation Rate (Butyl Acetate = 1) | Not applicable            |
| Flammability (solid, gas)            | No data available         |
| Lower explosion limit                | Not applicable            |
| Upper explosion limit                | Not applicable            |
| Vapor Pressure                       | very low                  |
| Relative Vapor Density (air = 1)     | Not applicable            |
| Relative Density (water = 1)         | No data available         |
| Water solubility                     | wettable powder           |
|                                      |                           |

| Partition coefficient: n-<br>octanol/water | No data available       |
|--|-------------------------|
| Auto-ignition temperature                  | Not applicable          |
| Decomposition temperature                  | No test data available  |
| Kinematic Viscosity                        | No data available       |
| Explosive properties                       | No data available       |
| Oxidizing properties                       | No data available       |
| Bulk density                               | 0.277 g/cm3 Unspecified |
| 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: Unstable at elevated temperatures.

Possibility of hazardous reactions: Polymerization will not occur.

**Conditions to avoid:** Avoid temperatures above 70 °C Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in closed systems.

Incompatible materials: Avoid contact with oxidizing materials. Avoid contact with: Bases.

**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: Hydrogen chloride. Organic sulfides. Sulfur dioxide.

## 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 injury.

As product: LD50, Rat, female, 382 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 LD50, Rabbit, male and female, > 2,000 mg/kg

#### Acute inhalation toxicity

No adverse effects are anticipated from single exposure to dust. Based on the available data, narcotic effects were not observed. Based on the available data, respiratory irritation was not observed.

As product: LC50, Rat, male and female, 4 Hour, Dust, > 2.53 mg/l No deaths occurred at this concentration.

#### Skin corrosion/irritation

Brief contact is essentially nonirritating to skin.

#### Serious eye damage/eye irritation

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

#### Sensitization

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):

Excessive exposure may produce organophosphate type cholinesterase inhibition. Signs and symptoms of excessive exposure to active ingredient may be headache, dizziness, incoordination, muscle twitching, tremors, nausea, abdominal cramps, diarrhea, sweating, pinpoint pupils, blurred vision, salivation, tearing, tightness in chest, excessive urination, convulsions. In animals, effects have been reported on the following organs: Adrenal gland.

Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use.

#### 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): Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals.

#### **Reproductive toxicity**

Chlorpyrifos did not interfere with fertility in reproduction studies in laboratory animals. Some evidence of toxicity to the offspring occurred, but only at a dose high enough to produce significant toxicity to the parent animals.

#### Mutagenicity

For the active ingredient(s): Based on a majority of negative data and some equivocal or marginally positive results, active ingredient is considered to have minimal genetic toxicity potential.

#### Aspiration Hazard

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

| Carcinogenicity  |                |   |
|------------------|----------------|---|
| Component        | List           | Classification  |
| Titanium dioxide | IARC           | Group 2B: Possibly carcinogenic to                              |
|                  |                | humans  |
| Quartz           | IARC<br>US NTP | Group 1: Carcinogenic to humans<br>Known to be human carcinogen |
|                  | ACGIH          | A2: Suspected human carcinogen                                  |

## **12. ECOLOGICAL INFORMATION**

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

#### Toxicity

## **Chlorpyrifos**

#### 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).

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, 0.003 mg/l

#### Acute toxicity to aquatic invertebrates

EC50, Daphnia magna (Water flea), 48 Hour, 0.00068 mg/l

#### Acute toxicity to algae/aquatic plants

EC50, Skeletonema costatum (marine diatom), 96 Hour, Growth inhibition (cell density reduction), 0.255 - 0.328 mg/l

#### Toxicity to bacteria

EC50, activated sludge, > 100 mg/l

#### Chronic toxicity to fish

NOEC, Pimephales promelas (fathead minnow), 216 d, 0.000568 mg/l MATC (Maximum Acceptable Toxicant Level), Pimephales promelas (fathead minnow), 216 d, 0.00226 - 0.00325 mg/l

#### Chronic toxicity to aquatic invertebrates

NOEC, Daphnia magna (Water flea), number of offspring, 0.000056 mg/l MATC (Maximum Acceptable Toxicant Level), Daphnia magna (Water flea), number of offspring, 0.000075 mg/l

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

Material is highly toxic to birds on a dietary basis (LC50 between 50 and 500 ppm). oral LD50, Other, 122mg/kg bodyweight.

dietary LC50, Colinus virginianus (Bobwhite quail), 8 d, 423mg/kg diet. oral LD50, Apis mellifera (bees), 48 Hour, 0.36micrograms/bee contact LD50, Apis mellifera (bees), 48 Hour, 0.070micrograms/bee

#### Toxicity to soil-dwelling organisms

LC50, Eisenia fetida (earthworms), 14 d, 129 mg/kg

#### Calcium polysilicate

Acute toxicity to fish

No relevant data found.

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

Acute toxicity to fish

Not expected to be acutely toxic to aquatic organisms.

#### 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

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

#### Acute toxicity to fish

Based on information for a similar material: 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). Based on information for a similar material: LC50, Danio rerio (zebra fish), 96 Hour, 508 mg/l

#### Acute toxicity to aquatic invertebrates

Based on information for a similar material: EC50, Daphnia magna (Water flea), 48 Hour, 731 mg/l

#### **Balance**

Acute toxicity to fish No relevant data found.

## Persistence and degradability

#### **Chlorpyrifos**

**Biodegradability:** Biodegradation under aerobic laboratory conditions is below detectable limits (BOD20 or BOD28/ThOD < 2.5%). 10-day Window: Fail **Biodegradation:** 22 % **Exposure time:** 28 d **Method:** OECD Test Guideline 301D or Equivalent

#### **Biological oxygen demand (BOD)**

| Incubatio<br>Time | n BOD   |
|-------------------|---------|
| 5 d               | 0.000 % |

Stability in Water (1/2-life) Hydrolysis, half-life, 72 d

#### Photodegradation

Test Type: Half-life (indirect photolysis) Sensitization: OH radicals Atmospheric half-life: 1.4 Hour Method: Estimated.

#### **Calcium polysilicate**

**Biodegradability:** Biodegradation is not applicable.

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

Biodegradability: Biodegradation is not applicable.

#### Titanium dioxide

Biodegradability: Biodegradation is not applicable.

#### **Quartz**

**Biodegradability:** Biodegradation is not applicable.

#### **Balance**

Biodegradability: No relevant data found.

#### **Bioaccumulative potential**

#### **Chlorpyrifos**

**Bioaccumulation:** Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5). **Partition coefficient: n-octanol/water(log Pow):** 4.7 at 20 °C Estimated.

#### Calcium polysilicate

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

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

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

#### **Titanium dioxide**

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

#### **Chlorpyrifos**

Expected to be relatively immobile in soil (Koc > 5000). **Partition coefficient (Koc):** 8151

#### Calcium polysilicate

No relevant data found.

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

No relevant data found.

#### Titanium dioxide

No data available.

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

No relevant data found.

#### **Balance**

No relevant data found.

## **13. DISPOSAL CONSIDERATIONS**

**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. TRANSPORT INFORMATION**

#### DOT

| Proper shipping name | Environmentally hazardous substance, solid, n.o.s.(Chlorpyrifos) |
|----------------------|--|
| UN number            | UN 3077  |
| Class                | 9  |
| Packing group        | III  |
| Marine pollutant     | Chlorpyrifos   |
| Reportable Quantity  | Chlorpyrifos   |
|                      |  |

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

| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, |
|----------------------|---|
|                      | N.O.S.(Chlorpyrifos)                        |
| UN number            | UN 3077                                     |
| Class                | 9   |

| 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 | III<br>Chlorpyrifos<br>Consult IMO regulations before transporting ocean bulk |
|--|---|
| Classification for AIR transport (IA   | ATA/ICAO):  |
| Proper shipping name   | Environmentally hazardous substance, solid,                                   |
|  | n.o.s.(Chlorpyrifos)  |
| UN number  | UN 3077   |
| Class  | 9   |
| 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**

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

Acute toxicity (any route of exposure) Carcinogenicity

# Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

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

#### Pennsylvania Right To Know

The following chemicals are listed because of the additional requirements of Pennsylvania law:

#### Components

| Chlorpyrifos         | 2921-88-2 |
|----------------------|-----------|
| Calcium polysilicate | 1344-95-2 |
| Kaolin               | 1332-58-7 |

#### California Prop. 65

WARNING: This product can expose you to chemicals including Titanium dioxide, Kaolin, Quartz, which is/are known to the State of California to cause cancer, and Chlorpyrifos, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

CASRN

#### United States TSCA Inventory (TSCA)

This product contains chemical substance(s) exempt from U.S. EPA TSCA Inventory requirements. It is regulated as a pesticide subject to Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) requirements.

#### Federal Insecticide, Fungicide and Rodenticide Act

EPA Registration Number: 62719-072

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 for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### DANGER

Corrosive Causes irreversible eye damage May be fatal if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

## **16. OTHER INFORMATION**

#### Hazard Rating System

#### NFPA

| Health | Flammability | Instability |
|--------|--------------|-------------|
| 2      | 2            | 1           |

#### Revision

Identification Number: 308768 / A211 / Issue Date: 12/13/2018 / Version: 8.0

DAS Code: XRM-5331

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

#### Legend

| USA. ACGIH Threshold Limit Values (TLV)                             |  |
|---|--|
| Dow Industrial Hygiene Guideline                                    |  |
| OSHA Specifically Regulated Chemicals/Carcinogens                   |  |
| USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air |  |
| Contaminants  |  |
| Absorbed via Skin, Biological Exposure Indice                       |  |
| 8-hour time weighted average  |  |
|   |  |

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk: IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA -Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA -Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

## Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

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