

## Material Safety Data Sheet

### SECTION 1 IDENTIFICATION

**Product Name:** Pyraclostrobin 6.7% +Dimethomorph 12% WDG

**Chemical name:** MethylN-[2-[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxymethyl]phenyl} (Nmethoxy)carbamate (Pyraclostrobin)

(E,Z)-4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl]morpholine (Dimethomorph)

**Other means of identification:** /

**Recommended use of the chemical and restrictions on use:** This material is a kind of pesticide.

#### Company / Undertaking Identification

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### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Skin Corrosion/Irritation Category 3, Skin Sensitization Category 1, Carcinogenicity Category 1, Specific Target Organ Toxicity - single exposure Category 1 (nervous system), Specific Target Organ Toxicity - repeated exposure Category 2 (blood system, duodenum, liver), Acute Aquatic Hazard Category 2, Chronic Aquatic Hazard Category 2.

#### GHS Label elements, including precautionary statements



**Signal word:** Danger.

**Hazard statement(s):** Causes mild skin irritation. May cause an allergic skin reaction. May cause cancer. Causes damage to organs (nervous system). May cause damage to organs through prolonged or repeated exposure (blood system, duodenum, liver). Toxic to aquatic life with long lasting effects.

**Precautionary statement(s):**

#### Prevention:

Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/ vapors / spray. Wash thoroughly after handling. Do not eat, drink or

smoke when using this product. Avoid release to the environment.

**Response:**

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see below). Take off contaminated clothing. And wash it before reuse. IF exposed or concerned: Call a POISONCENTER/doctor. Specific treatment (see below). Collect spillage.

**Storage**

Store locked up.

**Disposal:**

Dispose of contents/container to...

**Other hazards which do not result in classification: /**

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Concentration, w/w, %
Pyraclostrobin	175013-18-0	6.7
Dimethomorph	110488-70-5	12
Adjuvants	/	82.3

**SECTION 4 FIRST AID MEASURES****Description of necessary first aid measures**

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

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

**If swallowed:** Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed: /**

**Indication of immediate medical attention and special treatment needed: /**

**SECTION 5 FIREFIGHTING MEASURES**

**Suitable extinguishing media:** Foam. Dry chemical powder. Carbon dioxide. Water spray or fog - Large fires only.

**Special hazards arising from the chemical:** Combustible solid which burns but propagates flame with difficulty.

**Special protective actions for fire-fighters:** Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Remove all ignition sources. Clean up all spills immediately. Avoid contact with skin and eyes. Control personal contact with the substance, by using protective equipment.

**Environmental precautions:** Prevent, by any means available, spillage from entering drains or water courses.

**Methods and materials for containment and cleaning up:** Minor Spills: Use dry clean up procedures and avoid generating dust. Place in a suitable, labelled container for waste disposal. Major Spills: IF DRY: Use dry clean up procedures and avoid generating dust. Collect residues and place in sealed plastic bags or other containers for disposal. IF WET: Vacuum/shovel up and place in labelled containers for disposal. ALWAYS: Wash area down with large amounts of water and prevent runoff into drains. If contamination of drains or waterways occurs, advise Emergency Services.

## SECTION 7 HANDLING AND STORAGE

**Precautions for safe handling:** Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. DO NOT enter confined spaces until atmosphere has been checked. DO NOT allow material to contact humans, exposed food or food utensils. Avoid contact with incompatible materials. When handlings, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling.

**Conditions for safe storage, including any incompatibilities:** Store in original containers. Keep containers securely sealed. Store in a cool, dry area protected from environmental extremes. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this MSDS.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** /

**Appropriate engineering controls:** Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Supplied-air type respirator may be required in special circumstances.

**Personal protective equipment**

**Eye/face protection:** Safety glasses with side shields. Chemical goggles.

**Skin protection:** Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber.

**Respiratory protection:** Particulate.

**Thermal hazards:** /

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Light brown uniform granule
<b>Odour</b>	N/A
<b>Odour Threshold</b>	N/A
<b>pH</b>	6.0-9.0
<b>Wet Sieve Test</b>	Min. 99% pass 75µm test sieve
<b>Persistent Foam</b>	25mL Max. after 1 minute
<b>Suspensibility</b>	90% Min.
<b>Degree of dispersion</b>	≥ 80%
<b>Melting point/freezing point</b>	N/A
<b>Initial boiling point and boiling range</b>	N/A
<b>Flash point</b>	Non-flammable
<b>Evaporation rate</b>	N/A
<b>Flammability (solid, gas)</b>	N/A
<b>Upper/lower flammability or explosive limits</b>	N/A
<b>Vapour pressure (kPa)</b>	N/A
<b>Vapour density</b>	N/A
<b>Relative density</b>	N/A
<b>Water solubility</b>	Soluble in water
<b>Partition coefficient: noctanol/water</b>	N/A
<b>Autoignition temperature</b>	N/A
<b>Decomposition temperature</b>	N/A
<b>Viscosity</b>	N/A

## SECTION 10 STABILITY AND REACTIVITY

<b>Reactivity:</b> /
<b>Chemical stability:</b> Product is considered stable under normal handling conditions.
<b>Possibility of hazardous reactions:</b> Product is considered stable.
<b>Conditions to avoid:</b> Heat, flames and sparks.
<b>Incompatible materials:</b> Oxidising agents.
<b>Hazardous decomposition products:</b> Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Hydrogen chloride, Phosgene, Nitrogen oxides (NO <sub>x</sub> ), other pyrolysis products typical of burning organic material.

## SECTION 11 TOXICOLOGICAL INFORMATION

<b>Information on the likely routes of exposure:</b> Inhaled, Ingestion, skin, eyes.
<b>Symptoms related to the physical, chemical and toxicological characteristics:</b> /
<b>Acute health effects</b>
The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation. Accidental ingestion of the material may be harmful.

Skin contact is not thought to produce harmful health effects. Although the material is not thought to be an irritant, direct contact with the eye may cause transient discomfort characterised by tearing or conjunctival redness (as with windburn).

**Chronic health effects:** /

**Numerical measures of toxicity (such as acute toxicity estimates):**

Acute Oral Toxicity (Rat) : LD<sub>50</sub> > 5000 mg/kg

Acute Dermal Toxicity (Rat) : LD<sub>50</sub> > 2000 mg/kg

Acute Inhalation Toxicity (Rat) : LC<sub>50</sub>(2h) > 2.0 mg/L

Acute Eyes Irritation (Rabbit) : Slight-irritant,

Acute Dermal Irritation (Rabbit) : Non-irritant,

Skin Sensitization(Guinea Pig) : Weak-sensitiser

## SECTION 12 ECOLOGICAL INFORMATION

**Toxicity:**

Toxicity to Fish : Acute toxicity for Zebra fish LC<sub>50</sub> (96h) = 0.110mg a.i./L;

Toxicity to Bird: Acute oral toxicity for Quail LD<sub>50</sub> (7d) > 1700 mg a.i/L·bw;

Toxicity to Bee : Acute oral toxicity LC<sub>50</sub> (48h) > 100mg a.i. /L, low toxicity;  
Acute dermal toxicity LD<sub>50</sub> (48h) > 0.160 µg a.i.bee<sup>-1</sup>, low toxicity;

Toxicity to Daphnia Magna: LC<sub>50</sub> (48h) = 0.0922 mg a.i./L;

Toxicity to Green alga: EC<sub>50</sub> (72h) = 0.824mg a.i. /L;

Toxicity to Earthworm: LC<sub>50</sub> (14d) = 44.6 mg a.i. /kg dry soil;

Toxicity to Trichogramma: LR<sub>50</sub>(24h) > 35.2µg a.i.bee<sup>-1</sup>, SF > 10.1;

Toxicity to silkworm: LC<sub>50</sub>(96 h) = 50.0 mg a.i. /L;

**Persistence and degradability:** /

**Bioaccumulative potential:** /

**Mobility in soil:** /

**Other adverse effects:** /

## SECTION 13 DISPOSAL CONSIDERATIONS

**Disposal methods:** Recycle wherever possible or consult manufacturer for recycling options.

Consult Land Waste Authority for disposal. Bury or incinerate residue at an approved site.

Recycle containers if possible, or dispose of in an authorised landfill.

## SECTION 14 TRANSPORT INFORMATION

**UN number:** 3077.

**UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**Transport hazard class(es):** 9.

**Packaging group:** III.



**Environmental hazards:** Marine pollutant.

**Special precautions for user:** /

## SECTION 15 REGULATORY INFORMATION

### Regulations:

This safety data sheet is in compliance with the following national standards: GB/T 16483-2008, GB13690-2009, GB18218-2009, GB15258-2009, GB6944-2012, GB190-2009, GB191-2009, GB12268-2012, GA57-1993, GB/T 15098-2008, GBZ 2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation, Dangerous Chemicals Safety Administrative Regulation.

## SECTION 16 OTHER INFORMATION

<b>References</b>	“Model Regulations on the Transport of Dangerous Goods” “The Globally Harmonized System of Classification and Labelling of Chemicals”
<b>Form Date</b>	20-May-2017

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer / supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: As a result of product features without the existence of certain information (such as boiling point does not exist for the solid) in the table with "/" logo.