



上海盟莘化工有限公司

SHANGHAI M-WIN CHEMICALS CO.,LTD.

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## MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Pyraclostrobin 12.8% + Boscalid 25.2%SC

**Contact Information:**

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### SECTION 2: HAZARDS IDENTIFICATION

**Emergency Overview:**

DANGER: POISON.

DANGER: CAUSES SKIN IRRITATION. Causes eye irritation.

KEEP OUT OF REACH OF CHILDREN.

Avoid contact with the skin, eyes and clothing.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION	CAS No.	Content, %
Pyraclostrobin	175013-18-0	12.8
Boscalid	188425-85-6	25.2
Other ingredients	N/A	62

### SECTION 4: FIRST AID MEASURES

**Inhalation:** If inhaled remove to fresh air and keep at rest. If breathing becomes difficult, contact a physician.

**Skin contact:** Carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical attention if irritation develops and persists.

**Eye contact:** Rinse eyes immediately with clean water for at least 15 minutes. Seek medical attention if irritation develops and persists.

**Ingestion:** Wash out mouth with water. Do NOT induce vomiting. Keep patient at rest and seek medical advice as above.

**First Aid Facilities:** Ensure washing facilities are available.

**Notes to Physician:** Treat symptomatically and supportively.



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## SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media:** foam, dry powder, carbon dioxide, water spray

**Fire Fighting Procedures:** Firefighters should wear full protective gear, including self-contained breathing apparatus. If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray unopened containers with water to keep cool. Whenever possible, contain fire-fighting water by bunding area with sand or earth to prevent it entering any bodies of water.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

**Environmental precautions:** Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

**Occupational spill:** Do not touch-spilled material; stop leak if you can do it without risk. Keep out unprotected persons and animals.

**For spills:** Soak up with absorptive material such as damp earth or sand or other suitable non-combustible absorbent material. Place the material into a clean, dry container and cover for subsequent disposal. Label containers with its content and dispose it in accordance with local regulations.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. Do not breathe fumes/spray mist. When using, do not eat, drink or smoke. Wash hands after working with the product.

**Storage:** Keep under lock and key and out of reach of unauthorized persons, children and animals. Store in its original labeled container in isolated, dry, cool and well-ventilated area. Not to be stored next to foodstuffs and water supplies. Store away from incompatible substances.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational



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setting occurs without proper containment systems.

**Engineering controls:** Avoid creation of dust. Control process conditions to avoid contact. Use in a well-ventilated area only.

**Eye Protection:** Eye protection such as protective glasses or goggles is recommended when this product is being used.

**Skin Protection:** Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

**Protective Material Types:** There is no specific recommendation for any particular protective material type.

**Respirator:** Usually, no respirator is necessary when using this product. Safety deluge showers should, if practical, be provided near to where this product is being used.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Light yellow to yellow liquid

**Density:** 1.055 g/mL at 20°C

**pH:** 5.7 (1% dispersion).

**Explosion properties:** Not explosive

**Oxidation properties:** Not oxidizing

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Conditions to Avoid:** Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage.

**Incompatibilities with Other Materials:** Strong oxidizing agents

**Decomposition Products:** Thermal decomposition may produce toxic by-products, such as carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide, Hydrogen chloride, halogenated hydrocarbons, Hydrocarbons.

**Hazardous Polymerization:** Will not occur.



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## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity:

**Oral:** Acute oral LD<sub>50</sub> for rats approx. 500 mg/kg

**Skin and eye:** Acute percutaneous LD<sub>50</sub> for rats >4000 mg/kg. Moderate eye irritant. Mild to moderate skin irritant.

**Sensitization:** Skin sensitizing effects were not observed in animal studies with guinea pig

**Inhalation:** LC<sub>50</sub> (4h) for rats 3.51 mg/l

### Others:

**Carcinogenicity:** In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.

## SECTION 12: ECOLOGICAL INFORMATION

### Acute toxicity:

#### Fish:

Oncorhynchus mykiss/LC<sub>50</sub> (96 h): 0.02 mg/l; Oryzias latipes/LC<sub>50</sub> (96 h): > 0.058 - < 0.1 mg/l

**Aquatic invertebrates:** daphnia magna/EC<sub>50</sub> (48 h): 0.0649 mg/l

**Aquatic plants:** green algae/EC<sub>50</sub> (72 h): 3.32 mg/l

**Birds:** Not toxic to birds. LD<sub>50</sub> for bobwhite quail is >2000 mg/kg

**Bees:** Not toxic to bees. LD<sub>50</sub> >100 µg/bee.

## SECTION 13: DISPOSAL CONSIDERATIONS

Triple or (preferably) pressure rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on-site. If recycling replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

## SECTION 14: TRANSPORT INFORMATION

**UN Number:** 3082

**Packaging Group:** III

**Hazard Class:** 9



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**Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

#### SECTION 15: OTHER REGULATORY INFORMATION

##### **Packaging & Labelling:**

CAUTION

KEEP OUT OF REACH OF CHILDREN.

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

**Hazard Category:** Harmful, Irritant

#### SECTION 16: OTHER INFORMATION

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.