

1: IDENTIFICATION

Chemical Name	Dimethomorph: 3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-morpholin-4-ylprop-2-en-1-one Pyraclostrobin: methyl N-[2-[[1-(4-chlorophenyl)pyrazol-3-yl]oxymethyl]phenyl]-N-methoxycarbamate		
Synonyms	Dimethomorph 12% + Pyraclostrobin 6.7% WG	Trade Name	STROBIC COMPLETE
Uses	Fungicide	Molecular Formula	C ₂₁ H ₂₂ ClNO ₄ + C ₁₉ H ₁₈ ClN ₃ O ₄
Manufacturer/Sup	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
Emergency Conta	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Dimethomorph	110488-70-5	12.00 % w/w
Pyraclostrobin	175013-18-0	6.70 % w/w
Other ingredients	-	Q.S.

3: HAZARD IDENTIFICATION

Classification of the Substance or Mixture;	Skin Irritation Category 2 Acute Tox. Category 3	Aquatic Acute Category 1 Aquatic Chronic Category 1
Label Elements :	Pictogram: GHS06, GHS08, GHS09	Signal Word: Danger
Hazard Statement	H302: Harmful if swallowed [Warning Acute toxicity, oral] H315: Causes skin irritation [Warning Skin corrosion/irritation] H315: Causes skin irritation [Warning Skin corrosion/irritation] H335: May cause respiratory irritation [Warning Specific target organ toxicity, single exposure; Respiratory tract irritation] H360F: May damage fertility [Danger Reproductive toxicity]	H361d: Suspected of damaging the unborn child [Warning Reproductive toxicity] H373: May causes damage to organs through prolonged or repeated exposure [Warning Specific target organ toxicity, repeated exposure] H400: Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard] H410: Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard] H411: Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment, long-term hazard]

Precautionary statement(s): P101, P102, P103, P280, P201, P202, P301 + P312, P308 + P313, P391, P405, P501

4: FIRST AID MEASURES

General: Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: Remove the victim to fresh air and keep him warm and quiet. Get a medical attention immediately. If not breathing, clear the airway and give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: In case of ingestion do not induce vomiting and give nothing by mouth. Call for doctor immediately.

Skin Contact: In case of skin contact, remove contaminated clothing, wash skin with water, using soap, if available.

Eye Contact: Rinse immediately with plenty of water. After 5 minutes remove contact lenses if present. Rinse again with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

Note to physician: No specific Antidote. Treat symptomatically

Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the section 3 and/or in section 11

5: FIRE FIGHTING MEASURES

Extinguishing Media: CO₂, Foam, dry chemical, water fog.

Hazardous Thermal (de)composition: Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide

Special Procedures: Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not discharge extinguishing water into the environment.

Protection of Fire Fighters: Wear self-contained breathing apparatus for firefighting if necessary..

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

Environmental Precaution: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for Cleaning up: Absorb spillage with sand, sawdust, or earth and dispose off safely. If spillage is large, contain it by building a barrier of earth or sand bags. Clean contaminated floors with plenty of water and detergent. Dispose off absorbed material as per local regulations. Puncture containers to prevent reuse.

7: HANDLING & STORAGE

Handling: KEEP OUT OF REACH OF CHILDREN and animals. Prevent eating, drinking, and tobacco use in areas where there is a potential for exposure to the material. Wear full protective clothing and equipment (see Section 8). After work, rinse gloves and remove protective equipment, and wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, or using the toilet. Wash contaminated clothing separately. Keep containers closed when not in use.

Storage: Store unused product out of reach of children and animals, away from food, feedstuffs, fertilizers, seed, and water sources. Keep out of direct sunlight. Storage place should be cool, well ventilated, dry, and away from heat. Remove strong bases and oxidants away from the product. Store in closed original container only.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

General Protection: Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist. Elbow-length PVC gloves and face shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Personal Protection: Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

Respiratory Protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEKP2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Skin Protection: Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eye Protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Control of Environmental Exposure : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

9:PHYSICAL/CHEMICAL PROPERTIES

Physical State: Free flowing Brown Color Granules **Colour:** Brown **P - foam (0.5%):** 60.0 ml. Max.

Wet Sieve Test: 99.0% min. (45µ is sieve) **pH (1% aq. Sol.):** 5.0 - 10.0 **Wettability (sec):** 60 sec max.

10:STABILITY & REACTIVITY

Stability: Stable for the period of two years, when stored under optimum conditions. **Reactivity:** No data available

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Decomposes on burning. This produces toxic fumes including nitrogen oxides and carbon monoxide. Other decomposition products - No data available In the event of fire: see section 5

Incompatible Materials: The product is not compatible with strong acidic or alkaline materials.

Conditions to avoid: Extreme temperature conditions.

11: TOXICOLOGICAL INFORMATION

Dimethomorph	Acute oral (LD50 mg/kg) rats 3900	Acute inhalation (LD50 , mg/L) rats >5.2 (4 h)	Acute dermal (LD50 , mg/kg) rats >2000
	Skin irritation Not an irritant (rabbits)	Skin sensitisation Not a sensitiser (guinea pigs)	Eye irritation Not an irritant (rabbits)

Pyraclostrobin	Acute oral (LD50 , mg/kg) mice (male) 449; mice (female) 453; rats >5000	Acute dermal (LD50 , mg/kg) rats >2000
	Acute inhalation (LD50 , mg/L) rats 0.58 (4 h) Skin irritation Irritant (rabbits)	Eye irritation Not an irritant (rabbits)
	Skin sensitisation Not a sensitizer	

12: ECOLOGICAL INFORMATION

Toxicity: No data available

Aquatic Chronic Toxicity: No data available

Bioaccumulative potential: No data available

Other adverse effects: No data available

Persistence and degradability: No data available

Mobility in soil: No data available

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Triple or preferably pressure rinse containers before disposal. Add rinsings to treatment mixture. Do not dispose off 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. Dispose off waste product through a reputable waste contractor

14: TRANSPORT INFORMATION

UN No. 3077 **Proper Shipping Name:** Environmentally hazardous substance, Solid, N. O. S. (Contains Pyraclostrobin, Dimethomorph)

Land Transport (ADR/RID): Class-9, Packing Group-III, Environmental hazards - Yes

Sea Transport (IMO) (IMDG): Class-9, Packing group-III, Marine Pollutant-Yes

Air Transport (IATA): Class-9, Packing group-III, Environmental hazards -Yes

15: REGULATORY INFORMATION

Chemical safety assessment: For this product a chemical safety assessment was not carried out

Full text of H-Statements referred to under sections 3.

16: OTHER INFORMATION

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

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