SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
Trade name: NEBULA 300 EC
common name: Difenoconazole 150 g/l + Propiconazole 150 g/l EC
Chemical name: Difenoconazole: cis,trans-3-chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-yl methyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether; Propiconazole: (±)1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl-methyl]1H-1,2,4-triazole
Product family: Azole
Company identification: JIANGSU QIAOJI BIOCHEM CO., LTD.
No. 168, Qiuhu Road(S), Duntou Town, Hai An County, Jiangsu 226692, P.R. China
Tel: +86-513-88433136; Fax: +86-513-88433168

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difenoconazole</td>
<td>119446-68-3</td>
<td>150 g/l</td>
</tr>
<tr>
<td>Propiconazole</td>
<td>60207-90-1</td>
<td>150 g/l</td>
</tr>
<tr>
<td>Inerts</td>
<td>---</td>
<td>Balance</td>
</tr>
</tbody>
</table>

SECTION 3 – HAZARDS IDENTIFICATION
Primary routes of exposure: The substance can be absorbed into the body by ingestion.
Inhalation: Not irritating
Eye contact: Slightly irritating to eyes.
Skin contact: Not irritating
Delayed effects: Not found

SECTION 4 – FIRST AID MEASURES
If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, after the first 5 minutes, then continue rinsing eye.
If swallowed: 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 a Poison Control Center or doctor.
If inhaled: Move person to fresh air.
Note of physician (antidote): No specific antidote is available. Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES
Flammability: Combustible in case of fire.
Extinguishing media: Foam, CO₂, and Water.
Special fire fighting procedures: Wear approved self-contained breathing apparatus and full protective clothing. Contain water run-off.
SECTION 6 – ACCIDENTAL RELEASE MEASURES
Personal protection: Appropriate protective equipment must be worn when handling a spill of this material. Remove all contaminated clothing promptly. Wash all exposed skin areas with soap and water immediately after exposure. Thoroughly launder clothing before reuse. Do not take clothing home to be laundered.
Procedures: Keep spectators away. Avoid breathing vapor. Absorb spilled material with sawdust, clay, etc. and transfer to suitable containers for recovery or disposal. Keep dust to a minimum.
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

SECTION 7 – HANDLING AND STORAGE
Handling and storage precautions: Keep container tightly closed. Keep out of reach of children. Store under normal conditions and away direct sunlight.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION
Eye protection requirements: Goggles or safety glasses
Skin protection requirements: Rubber or plastic gloves, long sleeves, pants or coveralls.
Respiratory/ventilation requirements: Approved full facepiece, airline respirator in the pressure demand mode with emergency escape provision. Air-purifying respirators should be equipped with approved cartridges for protection against pesticides.
Exposure limits: Not established for product as whole.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES
Physical form: Liquid
Color: Pale yellow
Odor: Solvent odor
Boiling point: Not available
Specific gravity: About 0.950 (20°C)
Solubility: Form emulsion with water
Molecular formula: Difenconazole: C_{19}H_{17}Cl_{2}N_{3}O_{3}; Propiconazole: C_{15}H_{17}Cl_{2}N_{3}O_{2}
Molecular weight: Difenconazole: 406.3; Propiconazole: 342.2

SECTION 10 – STABILITY AND REACTIVITY
Stability: Stable under normal storage conditions.
Hazardous polymerization: ill not occur
Incompatibilities: Strong acidity and alkalinity.
Decomposition products: Oxides of nitrogen, oxides of carbon and hydrogen chloride.
SECTION 11 – TOXICOLOGICAL INFORMATION

*Route(s) of entry:* Inhalation, dermal, eye contact, ingestion

*Oral LD₅₀:* > 2000 mg/kg (rats). Low toxicity.

*Dermal LD₅₀:* for rats >2000, rabbits >2000 mg/kg. Low toxicity.

*Inhalation LC₅₀:* (4 hr) for rats >2.0 mg/L. Low toxicity.

*Effects to eyes:* Irritating to eyes of rabbits.

*Effects to skin:* Not irritating to skin of rabbits.

SECTION 12 – ECOLOGICAL INFORMATION

**Difenoconazole:**

*Birds:* Acute oral LD₅₀ for mallard ducks >2150 mg/kg.

*Fish:* LC₅₀ (96 h) for rainbow trout 0.8, bluegill sunfish 1.2 mg/l.

Not toxic to bees; LD₅₀ (contact and oral) >100µg/bee.

**Propiconazole:**

*Birds:* Acute oral LD₅₀ for Japanese quail 2223, bobwhite quail 2825, mallard ducks >2510, Pekin ducks >6000 mg/kg.

*Fish:* LC₅₀ (96 h) for carp 6.8, rainbow trout 5.3, golden orfe 5.1, spot 2.6 mg/l.

Not toxic to bees; LD₅₀ (contact and oral) >100µg/bee.

According to above information, NEBULA 300 EC is practically non-toxic to birds and moderately toxic to fish.

SECTION 13 – DISPOSAL CONSIDERATION

For disposal, incinerate this material at a facility that complied with local, state and country regulations.

SECTION 14 – TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Class</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>1993</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>Shipping name</td>
<td>Flammable Liquid, n.o.s</td>
</tr>
</tbody>
</table>

SECTION 15 – REGULATORY INFORMATION

**Hazard Classification:** Xn

**Risk Phrases:**

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 38 Irritating to skin.

**Safety Phrases:**

S 25 Avoid contact with eyes.
SECTION 16 – OTHER INFORMATION
The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Qiaoji be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Qiaoji has been advised of the possibility of such damages.