

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE AND THE SUPPLIER

Product name:	Acetamiprid 64G/L + Emamectin benzoate 48G/L EC
Other name:	/
Recommended use of the chemical and restrictions on use	Insecticide
Supplier name:	Shandong Weifang Rainbow Chemical Co., Ltd.
Supplier address:	Binhai Economic Development Area, Weifang, Shandong, China
Supplier phone:	+86-531-88875222, 88875231
Supplier fax:	+86-531-88875232, 88875224
Emergency phone number:	+86-531-88875222

2. HAZARDS IDENTIFICATION

Hazard statement(s)

Harmful if swallowed or inhaled. Maybe harmful if absorbed through skin.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

Keep out of reach of children.
Keep away from heat, sparks, open flames and hot surfaces-No Smoking.
Do not breathe fumes, mists, vapours or spray.
Do not get in eyes, on skin, or on clothing.
Wash contacted areas thoroughly after handling.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.
Wear protective gloves, protective clothing and eye or face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Acetamiprid	135410-20-7	64G/L
Emamectin benzoate	137512-74-4	48G/L
Other ingredients	/	Up to 1L

4. FIRST AID MEASURES

Description of necessary first aid measures

Inhalation: If product is inhaled, remove person to fresh air and keep at rest in a position comfortable for breathing. Give oxygen. Obtain medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. Drink plenty of water, water. Never give anything by mouth to an unconscious person. If breathing is difficult, give oxygen. Get medical attention. If symptoms persist, call a physician.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact: Remove contaminated clothing. Wash skin and hair thoroughly; do two soap and water washings.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, water spray, foam, carbon dioxide.

Special hazards arising from the chemical

Hydrogen Cyanide, nitrogen oxides (NO, NO₂), carbon oxides (CO, CO₂).

Special protective actions for fire-fighters

Fire fighters should wear full protective gear, including self-contained breathing apparatus. Use water spray cautiously to keep fire-exposed containers cool. Keep unnecessary people away. If it can be done safely, remove intact containers from the fire.

In the event of fire, wear self-contained breathing apparatus.

In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear suitable protective clothing.

Environmental precautions

Dispose of this material and its container at hazardous or special waste collection point in accordance with national and regional regulations. If the product has contaminated surface water, inform the appropriate authorities. Contaminated soil layers have to be dug out, Avoid release to the environment.

Methods and materials for containment and cleaning up

Wear protective clothing as indicated in Section 8. Evacuate non-essential personnel. Absorb spills with inert material such as clay, sand, earth, sawdust etc. and collect in a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of. Do not contaminate water resources.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not breathe fumes. Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapours. Do not eat, drink or smoke when using this product. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Keep container tightly closed. Keep away from strong oxidizing agents, strong bases. Keep away from sources of ignition-No smoking. Avoid excessive heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering control

Use only with adequate ventilation. Keep container tightly closed. Do not generate dust.

Personal protective equipment

Eye protection: Wear safety glasses with side shields. Additionally, wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.

Skin protection: Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

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Hand protection: Protective gloves.

Respiratory protection: Use NIOSH/MSHA approved respirator appropriate for exposure of concern.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color etc.):	Yellow Liquid
Density:	1.021g/mL at 20°C
pH:	3.0-6.0
Melting point/freezing point:	No date available
Flash point:	No date available
Upper/lower flammability or explosive limits:	Non-Explosive
Partition coefficient: n-octanol/water:	No date available

10. STABILITY AND REACTIVITY

Reactivity

This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Chemical stability

This product is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use and storage conditions.

Conditions to avoid

Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatible materials

Strong acids, strong bases, strong oxidizing agents.

Hazardous decomposition products

carbon monoxide, carbon dioxide, NOx Sox.

11. TOXICOLOGICAL INFORMATION

Numerical measures of toxicity

Acute oral LD50:	> 500 mg/kg (Rat)
Acute inhalation LC50:	> 3.99 mg/kg (Rat)
Acute dermal LD50:	> 2000 mg/kg (Rat)
Skin irritation:	Non-irritant
Eye irritation:	Irritant
Skin sensitization:	Non-sensitizer

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acetamiprid:

Birds - Acute LD50:	98 mg/kg (platyrhynchos)
Fish - Acute 96 hours LD50:	>100 mg/l (Oncorhynchus mykiss)
Daphnia magna - 48 hours EC50:	49.8 mg/l
Algae - Acute 72 hours EC50:	> 98.3 mg/kg
Honeybees - Contact acute LD50:	8.09 µg/bee

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Emamectin benzoate:

Birds - Acute LD50:	76 mg/kg (platyrhynchos)
Fish - Acute 96 hours LC50:	0.174 mg/L (Oncorhynchus mykiss)
Daphnia magna - 48 hours EC50:	0.001 mg/L
Algae - Acute 72 hours EC50:	0.0072 mg/L
Honeybees - Contact acute LD50:	0.035 µg/bee

13. DISPOSAL CONSIDERATIONS

Safe handling of waste residues and disposal methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not re-use empty containers. Empty container retains product residue. Triple rinse or equivalent, empty container and dispose off dilution mixture as a hazardous waste if it cannot be disposed off by use according to label instructions. Dispose off empty containers in accordance with local regulations. Industrial/commercial waste may be handled at licensed facilities only. Waste shipments must be securely packaged and properly labeled.

14. TRANSPORT INFORMATION

UN number:

3082

UN proper shipping name:

Environmentally hazardous substance, liquid, N.O.S.

Transport hazard class(es):

9

Packing group, if applicable:

III

15. REGULATORY INFORMATION

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and /or local laws.

16. OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.