

SAFETY DATA SHEET

1. PRODUCT AND MANUFACTURER IDENTIFICATION

THIAMETHOXAM 25% WG

Supplier name	Shandong Weifang Rainbow Chemical Co., Ltd.
Supplier address	Binhai Economic Development Area, Weifang, Shandong, China
Supplier phone	+86-531-88875230, 88875231
Supplier fax	+86-531-88875232, 88875224
Chemical name	(EZ)-3-(2-chloro-1,3-thiazol-5-ylmethyl)-5-methyl-1,3,5-oxadiazinan-4-ylidene(nitro)amine
Cas number	153719-23-4
Molecular formula	C ₈ H ₁₀ ClN ₅ O ₃ S
Molecular weight	291.7
Use	Insecticide

2. COMPOSITION / INFORMATION ON INGREDIENTS

Thiamethoxam	25%
Other no hazard ingredients	Up to 100%

3. HAZARDS IDENTIFICATION

Maybe harmful if swallowed or absorbed through skin. Harmful if inhaled.

Other health hazard information:

Product not considered mutagenic, teratogenic or carcinogenic, but inerts, present at low concentrations in the product, may be. At normal dose rates none of the above hazards are likely to occur.

During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

4. FIRST - AID MEASURES

Skin contact: Remove contaminated clothing. If difficulties occur: obtain medical attention. Show container, label and / or safety data sheet to physician.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Swallowed: Keep out of reach of children, keep away from food, drink and animal feeding stuffs. If swallowed, provided the patient is conscious, wash out mouth with water. Vomiting should only be induced under the direction of a physician or a poison control center. Do not give anything by mouth to an unconscious person.

Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel.

Note to Physician: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Water fog, foam, carbon dioxide, dry chemical.

Specific hazards:

Product is not flammable, but will burn if heated by combustion of other compounds. Combustion may release carbon monoxide, hydrogen chloride, hydrogen fluoride, nitrogen oxides.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

SAFETY DATA SHEET

Special fighting procedures:

Keep out of smoke. Keep people away. Fight fire upwind position. Use self-contained breathing equipment. Water runoff can cause environmental damage, if water is used to fight fire, contain runoff by diking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated

6. ACCIDENTAL RELEASE MEASURES

In case of spill or leak, control the spill at its source. Contain the spill to prevent from spreading of contaminating soil or from entering sewage and drainage systems or any body of water.

Wear appropriate personal protective equipment, protective clothing, rubber boots and full-face shield with goggles, remove ignition sources.

Avoid breathing dust and skin contact. Remove sources of ignition if combustible or flammable vapors may be present and ventilate area. Wear proper protective equipment.

Clean up promptly, place in covered container for reuse or disposal. Scrub contaminated area with detergent and bleach solution and/or detergent and lye in water solution. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.

7. HANDLING AND STORAGE

Handling (Personnel):

Avoid contact with eye and skin. Avoid breathing dust. Use with adequate ventilation. Do not eat, drink or cosmetics in store area. Wash thoroughly after handling.

Users should: Wear goggles to prevent splashing into eyes. Wash hands before eating, drinking. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Storage:

This product can energetically decompose at approximately 140°C. Do not store or process at temperatures above 70°C, do not store near sources of heat including steam lines. Keep away from strong acid and oxidizing product. Container should be stored in a cool, dry, well-ventilated area and away from heat and flame. Keep containers closed when not in use. Keep containers out of reach of children and well away from foodstuffs and animal feeds and their containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Users or anyone who has to handling or contacting with this product should firstly read the personal protection. While handling, using and fighting fire of this product, cleaning equipments, mixing or loading, following personal protective equipment should be used.

Personal Protective Equipment:

Eye and face protections: Wear chemical goggles and mask.

Skin protections: Long-sleeved shirt and long pants waterproof gloves chemical-resistant footwear. Wash contaminated skin promptly. Laundry contaminated clothing and clean protective equipment before reuse. Wash hand thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Columnar Granule
Odor:	Odourless
PH:	6.31

SAFETY DATA SHEET

Flammability:	Not highly flammable
Explosiveness:	Not explosive
Solubility in water:	Dispersible

10. STABILITY AND REACTIVITY

Chemical stability:

Stable under normal use.

Substance to avoid:

No substances known that should be avoided.

Hazardous decomposition products:

May decompose at high temperatures forming toxic gases.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral LD50 (rat):	Males: >2000 mg/Kg, females: >2000 mg/kg
Dermal LD50 (rat):	Males: >2000 mg/Kg, females: >2000 mg/kg
Inhalation (rat):	Males: >2.8 mg/L, females: >2.8 mg/L
Eye irritation (rabbit):	Non eye irritation
Skin irritation (rabbit):	Non dermal irritant
Skin sensitization (guinea pigs):	Not a dermal sensitizer

12. ECOLOGICAL INFORMATION

Effects on bee: LD50(72h) <1.0µg/bee

Effects on bird: LD50>2000mg/kg on quail

Effects on Fish: LC50 (96h) 100mg/l on rainbow trout.

13. DISPOSAL CONSIDERATIONS

Disposal Method:

Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Untreated effluent should not be discharged where it will drain into lakes, streams, rivers, or ponds.

Container disposal:

Empty container retains product residue. Observe all hazard precautions. Do not distribute or make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residues from container by triple rinsing and puncture or otherwise destroy empty containers before disposal. Dispose of product containers, waste containers, and residues according to local health and environmental regulations.

14. TRANSPORT INFORMATION

UN number:

3077

UN proper shipping name:

Environmentally Hazardous Substance, Solid, N.O.S.

Transport hazard class(es):

9

Packing group, if applicable:

SAFETY DATA SHEET

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.