

1: IDENTIFICATION

Chemical Name	(EZ)-3-(2-chloro-1,3-thiazol-5-ylmethyl)-5-methyl-1,3,5-oxadiazinan-4-ylidene(nitro)amine		
Synonyms	Thiamethoxam 25% WG	Trade Name	CRUZER
Uses	Insecticide	Molecular Formula	C ₈ H ₁₀ ClN ₅ O ₃ S
Manufacturer/Supplier	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 Contact	9503095030	E-mail	info@agrostar.in

2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Thiamethoxam	153719-23-4	25.0%
Other		75.0%

3: HAZARD IDENTIFICATION

Physical/ Chemical Hazard:	Acute oral toxicity, Category 4 Aquatic Chronic 1: H410	Aquatic Acute 1: H400
Environmental Hazard:	Very toxic to aquatic organisms, may cause long term adverse effects in aquatic environment	

4: FIRST AID MEASURES

General: Remove victim from polluted area. Place in the recovery position. Remove contaminated clothing. Dispose in a safe manner.

Inhalation: Remove victim to fresh air. Keep the victim warm. Allow victim to rest. Immediately get medical attention.

Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention immediately and show this container or label.

Skin Contact: Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a doctor.

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 minutes. Seek medical attention if irritation develops.

Note to Physician: No specific Antidote. Treat symptomatically

5: FIRE FIGHTING MEASURES

Extinguishing Media: Water fog. Alcohol resistant foam. Dry chemical powder. Carbon Dioxide

Unsuitable Extinguishing Media: Do not use water jet, as this may spread the fire.

Hazardous Thermal (de)composition: Harmful and toxic vapours/gasses

Special Procedures: Do not discharge extinguishing water into the environment. Move containers away from area if it can be done without risk. If possible remove containers from fire zone, cool them with water spray

Protection of Fire Fighters: Wear a self contained breathing apparatus. Wear suitable protective gloves and eye/face protection.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with spilled products or contaminated surfaces. Do not eat, drink or smoke.

Environmental Precaution: Prevent entry to sewers and public waters. Notify the authorities if product enters sewers or public waters.

Methods for Cleaning up: Clean up mechanically by sweeping or shovelling and collect in suitable container for disposal. Carefully collect remainder. Minimise generation of dust. Wash contaminated area with large amounts of water and detergent.

7: HANDLING & STORAGE

After Spillage and/or Leakage: Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13. check also the local procedure.

Handling: Use only in areas provided with appropriate exhaust ventilation. Handle in accordance with good industrial hygiene and safety practise. For personal protection see 8.

Technical Protective: No special measures required.

Storage: Store in dry, cool, well-ventilated area. Store in an area between 0°C and 40°C. Protect from freezing. Keep away from food, drink and animal feeding. Do not allow unauthorized persons to enter.

Packaging Material: HDPE (polyethylene high density).

Storage Away From: Direct sunlight. Extremely high or low temperatures.

8: EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Measures: Provide adequate ventilation.

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: Always use NIOSH/MSHA approved respiratory protection equipment with a universal filter type including particle filter.

Skin Protection: Suitable protective clothing. Wear coverall and type 6 suits. Wear two layers of clothing where possible. A cotton or cotton/polyester coverall must be worn under the chemical protection clothing and cleaned frequently by an industrial laundry. If a chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by the manufacturer.

Hand Protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye Protection: Safety goggles, chemical splash goggles or face shield for eyes protection should be used. Safety showers and eyewash should be easily available.

Others: Wash clothing before reusing.

9: PHYSICAL/CHEMICAL PROPERTIES

Appearance: Granules

Relative Vapour Density (air=1): Not established.

Physical State: Solid

Colour: White to Light brown

Odour : Odourless

Boiling Point [°C]: No data available.

pH: 4 - 9.5 @ 23°C,

Solubility in Water: Miscible

Vapour Pressure: Negligible @20°C

10: STABILITY & REACTIVITY

Stability: Stable under normal circumstances.

Materials to Avoid: Not known.

Conditions to Avoid: Avoid storage in moist or hot conditions and near of heat and ignition sources

11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : > 1,950

Rat inhalation LC50 [mg/l/4h] : > 5

Dermal (rat) LD50 [mg/kg]: > 2,000

Skin irritation (rabbit): Non irritant.

Eye irritation (rabbit): Non irritant.

12: ECOLOGICAL INFORMATION

Ecotoxicity

LC50 - 96 Bluegill Sunfish [µg/l] : 0.46

LD50(oral) 1.5 µg /bee for technical

LD50 1500 mg /kg: Anas platyrhynchos

13: DISPOSAL CONSIDERATION

Waste-disposal Procedures: Dispose of this product only by using according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container. Add rinsing's to spray tank.

Contaminated Packaging: (1) Rinse containers before disposal. Add rinsing's to the spray tank. DO NOT dispose of undiluted chemicals onsite. (2) Dispose of rinsed, empty containers at 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

14: TRANSPORT INFORMATION

UN No. 3077, **Proper Shipping Name:** Environmentally hazardous substance solid, n.o.s (Thiamethoxam)

Land Transport (ADR/RID): Class-9, Packing Group-III, Hazard Identification number-90, Hazard Label-9, Item Number- Tunnel Code:E

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

IATA: Class-9, Packing group-III, Environmental hazard mark-Yes

15: REGULATORY INFORMATION

Hazard Symbol: Dangerous for the environment (N)

H-Statements: H302, H332, H313, H400, H410

16: OTHER INFORMATION

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