

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### TRIFLOXYSTROBIN 50% 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: methyl  
(*αE*)-*α*-(methoxyimino)-2-[[[(1*E*)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]benzeneacetate  
CAS NUMBER: 141517-21-7  
MOLECULAR FORMULA: C<sub>20</sub>H<sub>19</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>  
MOLECULAR WEIGHT: 408.4 g/mol  
USE: Fungicide

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Trifloxystrobin	141517-21-7	50%
Other ingredients		Up to 100%

### 3. HAZARDS IDENTIFICATION

#### HAZARD STATEMENTS:

Maybe harmful if swallowed or absorbed through skin. May cause an allergic skin reaction.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### PRECAUTIONARY STATEMENT(S):

Avoid breathing dust.  
Wear protective gloves/ protective clothing.  
Wash contaminated clothing before reuse.  
Dispose of contents/container in accordance with local regulation.

### 4. FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

#### GENERAL ADVICE:

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

INHALATION: Remove affected person to fresh air until recovered.  
SKIN CONTACT: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water.  
EYE CONTACT: If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.

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INGESTION: Rinse mouth and then drink plenty of water. Treat according to symptoms.

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, Foam, Carbon dioxide (CO<sub>2</sub>).

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE: Hydrogen fluoride, Carbon monoxide (CO), Nitrogen oxides (NO<sub>x</sub>).

ADVICE FOR FIREFIGHTERS: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated.

### 6. ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke. Keep unauthorized people away. Use personal protective equipment.

#### ENVIRONMENTAL PRECAUTIONS

Do not allow to get into surface water, drains and ground water. If the product contaminates rivers and lakes or drains inform respective authorities.

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Sweep up, keeping dust to a minimum, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

### 7. HANDLING AND STORAGE

#### PRECAUTIONS FOR SAFE HANDLING

Handle and open container in a manner as to prevent spillage. Do not use, pour, spill or store near heat or open flame.

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizer, food and feed. Store in original container and out of the reach of children, preferably in a locked area.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Wear goggles.

RESPIRATORY PROTECTION: Wear respirator with a particle filter mask.

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SKIN PROTECTION:	Wear standard coveralls. If there is a risk of significant exposure, consider a higher protective type suit.
BODY PROTECTION:	Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.
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.
ENGINEERING CONTROLS:	Avoid generating and inhaling dusts. No special requirements.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Solid
COLOR	Brown
ODOUR:	Weak odor, indeterminate
MELTING POINT:	70.9°C
BULK DENSITY:	600 kg/m <sup>3</sup> at 25°C
pH:	8.5 – 10.5 at 1 % (23 °C)
VAPOUR PRESSURE:	2.56 x10 <sup>-11</sup> Pa at 20°C
SOLUBILITY IN WATER:	0.00061 g/L

### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under recommended storage conditions.
STORAGE STABILITY:	Stable under normal storage conditions in original container for at least two years.
INCOMPATIBILITY:	Strong acids, Strong bases.
CONDITIONS TO AVOID:	No data available
HAZARDOUS DECOMPOSITION PRODUCTS:	No data available

### 11. TOXICOLOGICAL INFORMATION

ACUTE ORAL:	LD50 Oral - Rat > 2000 mg/kg bw
ACUTE DERMAL:	LD50 Dermal - Rat > 2000 mg/kg bw
INHALATION:	During intended and foreseen applications, no respirable aerosol is formed
SKIN IRRITATION:	Slight irritant effect
EYES IRRITATION:	Slight irritant effect
SKIN SENSITISATION:	Sensitising

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### 12. ECOLOGICAL INFORMATION

#### TOXICITY

Acute toxicity to bird:

LD50: > 2000 mg/L *Colinus virginianus* (Bobwhite quail)

Acute toxicity to fish:

LC50: 0.054 mg/L *Oncorhynchus mykiss* (rainbow trout)

Acute toxicity to Daphnia:

EC50: 0.01 mg/L *Daphnia magna* (Water flea)

Acute toxicity to algae:

EC50: 0.15 mg/L *Raphidocelis subcapitata* (freshwater green alga)

#### PERSISTENCE AND DEGRADABILITY

Not rapidly biodegradable

#### BIOACCUMULATIVE POTENTIAL

Does not bioaccumulate.

### 13. DISPOSAL CONSIDERATIONS

#### WASTE TREATMENT METHODS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### 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:

3077

UN proper shipping name:

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

Transport hazard class(es):

9

Packing group, if applicable:

III

### 15. REGULATORY INFORMATION

Product Name: **TRIFLOXYSTROBIN 50% WG**

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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.