

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Diclosulam 840 g/kgWDG  
Substance: Water dispersible granule for Diclosulam  
Chemical name of IUPAC Name:  
active ingredient: 2',6'-dichloro-5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonanilide  
CA Name:  
N-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonamide  
Product Use: Agricultural herbicide  
Manufacturer: Spinochem Tech Co.,Ltd  
Address: No.2278,Zhaochong Rd, Shanghai,China.  
Emergency telephone No.:

## 2. HAZARDS IDENTIFICATION

**According to Regulation (EC) No1272/2008**

Acute Toxicity (Category 4)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)

**According to European Directive 67/548/EEC as amended**

Harmful substances. Dangerous for the environment.

**Label elements**

**Pictogram**



**Signal word:** Warning

**Hazard statement(s)**

H302 Harmful if swallowed.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

**Hazard symbol(s)**

Xn Harmful substances

N Dangerous for the environment

**Other hazards** None.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS No.</b>	<b>Content, g/kg</b>
Diclosulam	145701-21-9	840g/kg
Others	Not applicable	Up to 1000g

**4. FIRST AID MEASURES**

**General advice**

Have the product container, label or Safety Data Sheet with you when going for treatment. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**If inhaled**

Move to clear atmosphere. Get medical attention. Treat symptomatically and supportively.

**In case of skin contact**

Take off contaminated clothing. Rinse skin immediately with soap and plenty of water for 15 to 20 minutes. If irritation develops, get medical attention

**In case of eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling and/or in

section 11

**Note to physician**

There is no specific antidote available. Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:**

For small fire: dry chemical powder, water spray, carbon dioxide.

For large fire: foam, water fog, water spray.

**Special hazards arising from the substance or mixture**

Oxides of nitrogen, oxides of sulfur and other unknown hazardous materials may be formed in a fire situation. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.

**Advice for firefighters**

Wear protective clothing and self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Method and material for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

Avoid contact with eyes and skin. DO NOT inhale spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

**Conditions for safe storage, including any incompatibilities**

Keep out of reach of children. Store in the closed, original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sun light. Avoid storage at high temperatures.

**Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

Components with workplace control parameters.

**Exposure limits**

Not available.

**Acceptable Daily Intake (ADI):**

(EPA) no aRfD established; cRfD 0.05 mg/kg [2000].

**No-observable-effect-level (NOEL):**

(2 y) for rats 5 mg/kg b.w. daily.

**Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protection equipment**

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is

necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when handling this product.

Body protection	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.

#### **Environmental exposure controls**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

#### **User safety recommendations:**

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Off-white granules

pH range: 6-9

Wettability:  $\leq 90$  s

Wet sieve test, % pass 75 $\mu$ m sieve:  $\geq 98$

Degree of dispersion, %:  $\geq 80$

Suspensibility %:  $\geq 75$

Persistent foam, ml:  $\leq 60$

Stability at elevated temperature: Stable

## **10. STABILITY AND REACTIVITY**

### **Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

No data available.

**Conditions to avoid**

Moisture, high temperature, direct sunlight.

Should be kept in a cool place, preferably below 30°C. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

**Incompatible materials**

Strong basic, acidic and oxidizing materials.

**Hazardous decomposition products**

Other decomposition products - No data available.

In the event of fire: see section 5

**11. TOXICOLOGICAL INFORMATION**

Acute Oral	Rats: LD <sub>50</sub> > 5,000 mg/kg
Inhalation	Rats: LC <sub>50</sub> (4 h) >5.0mg/L air
Skin and Eye	Rats: Acute percutaneous LD <sub>50</sub> >2000mg/kg Not a skin or eye irritant.
Skin sensitization	Not a skin sensitizer in guinea pigs.

**12. ECOLOGICAL INFORMATION**

For active ingredient:

Birds Acute oral LD<sub>50</sub> for bobwhite quail >2250 mg/kg. Acute dietary LC<sub>50</sub> for bobwhite quail and mallard ducks >5620 ppm.

Fish LC<sub>50</sub> (96 h) for rainbow trout >110, bluegill sunfish >137, sheepshead minnows >120 mg/l.

Daphnia LC<sub>50</sub> (48 h) 72 mg/l; life-cycle NOEC 5.66 mg/l; LOEC 9.16 mg/l.

Algae EC<sub>50</sub> (14 d) for green algae (*Selenastrum capricornutum*) 1.6, blue-green algae (*Anabaena flos-aquae*) 83 µg/l; NOEC for green algae 1.6, blue-green algae 561 µg/l.

Other aquatic spp. LC50 (96 h) for grass shrimps >120, eastern oysters >120 mg/l.  
EC50 for Lemna sp. 1.16 µg/l.

Bees LD50 (48 h, contact) for honeybees >25 mg/bee.

Worms LC50 (14 d) for earthworms >991 mg/kg.

Other beneficial spp. Classed as practically non-toxic to slightly toxic.

### **13. DISPOSAL CONSIDERATION**

Triple or preferably pressure rinse containers before disposal. Add rinsing to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill available, bury the containers below 500mm in a disposal pitspecifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of washings, contaminated materials, used absorbents and other waste materials as directed by local regulations.

### **14. TRANSPORT INFORMATION**

#### **UN number**

ADR/RID: 3077

IMDG: 3077

IATA: 3077

#### **UN proper shipping name**

ADR/RID: Environmentally hazardous substance, Solid, N.O.S

IMDG: Environmentally hazardous substance, Solid, N.O.S

IATA: Environmentally hazardous substance, Solid, N.O.S

#### **Transport hazard class(es)**

ADR/RID: 9

IMDG: 9

IATA: 9

#### **Packaging group**

ADR/RID: III

IMDG: III

IATA: III

#### **Environmental hazards**

ADR/RID: yes

IMDG Marine pollutant: yes

#### **Special precautions for user**

No data available.

### **15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No data available

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

**16. OTHER INFORMATION**

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we 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 we has been advised of the possibility of such damages.