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**Material Safety Data Sheet for Clothianidin 480g/L SC**

**SECTION 1: Identification of the substance/mixture and of the company**

1.1 Trade name: Clothianidin 480g/L SC.

1.2 Product code: Not available.

1.3 Usage: Insecticide.

1.4 Company:

- Name of the company: Hailir Pesticides and Chemicals Group.

- Address: East Industry Zone, Chengyang District, Qingdao, China.

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture (GHS Classification):

2.2. Acute toxicity, Oral (Category 4), H302

Acute aquatic toxicity (Category 3), H402

2.3. Label elements

Pictograms:



Hazard statement(s)

H302: Harmful if swallowed.

H402: Harmful to aquatic life.

Precautionary statement(s)

P273: Avoid release to the environment

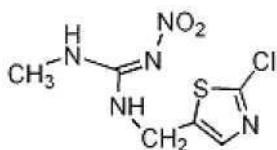
P501: Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3: Composition/information on ingredients**

3.1. Substances

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**3.2. Mixtures name**

Material	CAS No.	g/L(w/v)	Hazard Symbols: ( Xi, T, N ) H- and P-Phrases *
Clothianidin	210880-92-5	480 min	Xn            N H302 H402 P273 P501
Inert ingredient	/	The rest	

\* Description of H- and P-phrases in section 16 hereof.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

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

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4.2. Most important symptoms and effects, both acute and delayed

- if inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

- if swallowed

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

- if in contact with skin

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

- if in contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.3. Indication of any immediate medical attention and special treatment needed

Not available.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Hydrogen chloride gas.

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

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Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

**6.2. 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

**6.3. Methods 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.

**6.4. Reference to other sections**

For disposal see section 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**7.3. Specific end use(s)**

Not available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Components with workplace control parameters

**8.2. 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.

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**Personal protective  
equipment**

**Eye/face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)..

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable law sand good laboratory practices. Wash and dry hands.

**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**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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**SECTION 9: Physical and chemical properties**

Appearance: White suspension liquid.

pH: 4.0-8.0

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Density: 1.19 g/ml (20 °C)

Suspensibility: 90% min

Persistent foam: Maximum: 30 ml after 1 min.

Wet sieve: 98 % min through 325 u m test sieve.

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Not available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous

reactions Not available.

10.4. Conditions to avoid

Not available.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Other decomposition products - no data available

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Acute - LD<sub>50</sub> oral: >5000 mg/kg(rat)

Acute - LD<sub>50</sub> dermal > 4000 mg/kg (rabbits).

Acute - LD<sub>50</sub> inhalation (4 h) > 6000mg/m<sup>3</sup> (rats).

Eye irritation rabbits - Non irritant.

Skin irritation rabbits - Slightly irritant.

Skin sensitization guinea pigs - Not a skin sensitiser

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**SECTION 12: Ecological information (base on technical)**

Fish : LC<sub>50</sub> (96 h) for rainbow trout >100, carp >100, bluegill sunfish >120 mg/l. Birds:

Acute oral LD<sub>50</sub> for bobwhite quail >2000 mg/kg, for Japanese quail 430 mg/kg.

Dietary LC<sub>50</sub> for bobwhite quail and mallard ducks >5200 ppm.

Daphnia: EC<sub>50</sub> (48 h) >120 mg/l.

Algae: EC<sub>50</sub> (72 h) for *Scenedesmus subspicatus* >270 mg/l

**SECTION 13: Disposal considerations**

**Product**

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

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

**14.1. UN number:**

ADR/RID: 3082 IMDG: 3082 IATA: 3082

**14.2. UN proper shipping name**

ADR/RID:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N O S. (Clothianidin)

IMDG:

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ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clothianidin)

IATA:

Environmentally hazardous substance, liquid, n.o.s. (Clothianidin)

14.3. Transport hazard class(es):

ADR/RID: 9 IMDG: 9 IATA: 9

14.4. Packing group:

ADR/RID: III IMDG: III IATA: III

14.5. Environmental hazards:

ADR/RID: yes IMDG: yes IATA: yes

14.6. Special precautions for user:

Not available.

## **SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

## **SECTION 16: Other information**

No data available

## **15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

16.1 description H-and P-phrases.

Hazard statement(s)

H302: Harmful if swallowed.

H402: Harmful to aquatic life.

Precautionary statement(s)

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P273 : Avoid release to the environment

P501: Dispose of contents/ container to an approved waste disposal plant.

16.2 Other information.

MSDS Created Date: Jul. 13<sup>st</sup>, 2017

Revised date: Mar.22, 2018

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