

泸州东方农化有限公司

Oriental(Luzhou) Agrochemicals Co., Ltd

MATERIAL SAFETY DATA SHEET

Section 1. Product and Company Identification

PRODUCT:

Carfentrazone-ethyl 40% WDG

COMPANY IDENTIFICATION:

Oriental(Luzhou) Agrochemicals. Co., Ltd.

Add: Xinle Town, Naxi District, Luzhou City, Sichuan Province 646300, P.R. China

Tel: +86-830-4693090

Fax: +86-830-4693888

Section 2 - Composition/Information on Ingredient

CARFENTRAZONE-ETHYL

CAS#128639-02-1

40%

Inert ingredients

60%

Section 3 - Hazards Identification

Classification according to GHS Rev.8

Acute toxicity – Dermal(Category 5)

Acute aquatic toxicity (Category 1)

Chronic aquatic toxicity (Category 1)



Pictograms

Signal word Warning

H313 May be harmful in contact with skin

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s) Prevention

P302 + P312 IF ON SKIN: Call a POISON CENTER/doctor if you feel unwell.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection

Precautionary statement(s) Response

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P391 Collect spillage.

Precautionary statement(s) Storage

Precautionary statement(s) Disposal

P501: Dispose of contents/container in according with local regulation

EMERGENCY OVERVIEW

Off-white granule.

Not combustible. Thermal decomposition and burning may form toxic by-products. For large exposures or fire, wear personal protective equipment. Highly toxic to algae and toxic to fish and aquatic organisms. Keep out of drains and water courses.

POTENTIAL HEALTH EFFECTS:

Effects from overexposure may result from inhaling or coming into contact with the skin. Symptoms of overexposure include shaking and tearing of the eyes.

Section 4 - First Aid Measures

EYES:

Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Never give anything by mouth to an unconscious person.

INHALATION:

Move person to fresh air. If person is not breathing, call a poison control, then give artificial respiration, preferably by mouth to mouth. Call a poison control center or doctor for further treatment advice.

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA:

Foam, CO₂ or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

FIRE / EXPLOSION HAZARDS:

N/A.

FIRE FIGHTING PROCEDURES:

Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors

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generated.

Section 6 - Accidental Release Measures

RELEASE NOTES:

Isolate and post spill area. Wear protective clothing and personal protective equipment. Keep unprotected persons and animals out of the area.

Keep material out of lakes, streams, ponds and sewer drains. Large spills should be covered to prevent dispersal. For dry material, use a wet sweeping compound or water to prevent the formation of dust. If water is used, prevent runoff or dispersion of excess liquid by diking and absorbing with a non-combustible absorbent such as clay, sand or soil. Vacuum, shovel or pump all waste material, including absorbent, into a drum and label contents for disposal.

To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash, and an appropriate alcohol (i.e., methanol, ethanol or isopropanol). Follow this by washing with a strong soap and water solution. Absorb, as above, any excess liquid and add to the drums of waste already collected. Repeat if necessary.

Section 7 - Handling and Storage

HANDLING AND STORAGE:

Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS

Handle in well ventilated areas, generally natural ventilation is adequate.

PERSONAL PROTECTIVE EQUIPMENT

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length rubber gloves and face shield or goggles. Re-entry period: Do not enter treated area until spray has dried.

HYGIENE MEASURES

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

REQUIREMENTS CONCERNING SPECIAL TRAINING

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

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Section 9 - Physical/Chemical Properties

APPEARANCE: Off-white granule
CORROSIVITY: Not corrosive
EXPLOSIBILITY: Not explosive
FLAMMABILITY: Not combustible

Section 10 - Stability and Reactivity

CONDITIONS TO AVOID:

Excessive heat and fire.

STABILITY:

Stable.

POLYMERIZATION:

Will not occur.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, nitrogen oxides, chlorine oxides, hydrogen chloride, hydrogen fluoride.

Section 11 - Toxicological Information

ORAL LD50: > 5000 mg/kg (rat)

DERMAL LD50: > 2000 mg/kg (rat)

INHALATION LC50: > 6.311 mg/L(rat)

EYE EFFECTS: Non-irritant (rabbit)

SKIN EFFECTS: Non-irritant (rabbit)

SKIN SENSITIZATION: Not sensitizing (guinea pig)

CHRONIC EFFECTS FROM OVEREXPOSURE:

No data available for the formulation. Data presented below are based on the active ingredient.

NOAEL(2y, Rat)=3mg/kg bw/day

SUBCHRONIC TOXICITY

NOEL(90-d, rat)=58mg/kg bw/day,

DEVELOPMENT TOXICITY

NOEL (Rabbit)>300mg/kg/day

MUTAGENICITY

Negative

Section 12 - Ecological Information

No data available for the formulation. Data presented below are based on the active ingredient.

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AQUATIC ORGANISM

LC₅₀ (96h): 1.6-43 mg/L, depending on species.

EC₅₀ (Alage): 5.7-17 µg/L, depending on species..

EC₅₀(48h, Daphnia):9.8mg/L.

EC₅₀ (96h) for eastern oysters 2.05, mysid shrimps 1.16 ppm. EC₅₀ (14 d) for Lemna gibba 0.0057 mg/L.

BIRDS ACUTE ORAL

LD₅₀ (bobwhite quail) >2250 mg/kg, LC₅₀ (mallard duck) >5620 ppm.

EARTHWORM

LC₅₀> 820mg/kg soil

BEES

Acute contact toxicity: LD₅₀> 200ug/bee

Section 13 - Disposal Considerations

DISPOSAL METHOD:

Open dumping or burning of this material or its packaging is prohibited. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location and regulatory requirements may change, the appropriate agencies should be contacted prior to disposal.

EMPTY CONTAINER:

Non-returnable containers that held this material should be cleaned, prior to disposal, by triple rinsing. Containers which held this material may be cleaned by being triplerinsed, and recycled, with the rinsate being incinerated. Do not cut or weld metal containers. Vapors that form may create an explosion hazard.

Section 14 - Transport Information

UN-Number: 3077

Class: 9

Packing group: III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (not including waste) (Carfentrazone-ethyl).

Marine pollutant: Marine pollutant

Section 15 - Regulatory Information

NOTICE: 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

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activities comply with federal, state or provincial, and local laws.

Section 16 - Additional Information

Creation Date: 2011-04-06

Revision #4 Date: 2020-05-21

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company 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 the company has been advised of the possibility of such damages.