



CSFC TAIWAN ENTERPRISE CORPORATION

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MATERIAL SAFETY DATA SHEET CSFC OA

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SECTION 1 IDENTIFICATION OF THE SUBSTANCE

Trade name: Oxolinic acid

Chemical name: 5-Ethyl-5, 8-dihydro-8-oxo-1,3-dioxolo[4,5]quinoline-7-carboxylic acid

CAS number: 14698-29-4

Product use: high efficient pharmaceutical drug against gram-negative bacteria

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: Substances presenting a health or environmental hazard

EC-Number	CAS Number	Chemical Name	Content	Symbol(s)
	14698-29-4	5-Ethyl-5,8-dihydro-8-oxo-1,3-dioxolo[4,5]quinoline-7-carboxylic acid	98%	

SECTION 3 HAZARDS IDENTIFICATION

Hazard Classification Non-Hazardous Substance

Non-Dangerous Goods

Risk Phrases None

Safety Phrases None

SECTION 4 FIRST AID MEASURES

Contact with skin: Remove contaminated clothing. Wash affected area immediately with soap and water. Seek medical attention if required.

Contact with eyes: Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Ingestion: Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.

Inhalation: Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of in disposition, seek medical attention. In case of prolonged exposure, seek medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, Carbon dioxide (CO₂), Foam, Dry powder, Sand



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Fire and Exposure hazards

Non combustible material

Special protective equipment for firefighters

Wear full protective clothing. Wear self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions

Do not breathe vapours/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect the spilled product into suitable containers, which must be tightly sealed and properly labeled

SECTION 7 HANDLING AND STORAGE

Handling precautions: The product is administered directly to finfish, calves, pigs and poultry using the applicator supplied. Suitable container materials: HDPE, LDPE, stainless steel.

Storage conditions: Keep out of reach of children. Store away from food, drink or animal feeding stuffs. To maintain product quality, store below 30°C. Protect from temperatures below 0°C and above 50°C. Keep away from heat or moisture. This material is a Schedule 5 poison and must be stored, handled and used in accordance with the relevant regulations.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Exposure limit(s) should be monitored using suitable analytical equipments.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Protection for hands: Protective gloves.

Eye protection: Suitable goggles or face protection

Protection for skin: Working clothes, Closed footwear

Exposure limit(s): No exposure allocated for oxolinic acid sodium.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Form	solid, weak odour
Colour	White to off white
Melting/freezing temperature	313~316°C
Boiling point/range	Not available
Relative density	Not available
Flash point	Not available
Water solubility	Miscible
Vapor pressure	not available



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pH-value not available
Explosive properties not available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable. No hazardous reactions.

Conditions to avoid: Avoid strong oxidizing agents

Materials to avoid: None known

Hazardous decomposition products: Hydrogen cyanide, carbon monoxide, and nitrogen oxides.

Hazardous Reactions: Will not polymerize

SECTION 11 TOXICOLOGICAL INFORMATION

Acute oral toxicity: Acute oral LD50 values in adult mice ranged from 1890 to more than 6000mg/kg bw. It was more acutely toxic to neonatal animals with acute oral LD50 values in the range from 128 mg/kg bw (mice) to 573 mg/kg bw (rat).

Local Effects: Eye: Non-irritant.

Skin: Non- irritant

Reproductive Effects: None of the ingredients of the formulation have been shown to produce or teratogenic effects.

Carcinogenic Effects: Oxolinic acid sodium has been shown in animal test to have no carcinogenic potential. Other ingredients are not classified as carcinogens.

SECTION 12 ECOLOGICAL INFORMATION

Octanol/Water Partition Co-efficient: Not available

Ecotoxicity: Not available

Earthworms: Not available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

Contaminated packaging

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

SECTION 14 TRANSPORT INFORMATION

UN NO: Not classified



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UN Proper Shipping Name: Not classified

Class&Subsidiary Risk: Not classified

Packaging Group: Not classified

Hazchem Code: Not classified

SECTION 15 REGULATORY INFORMATION

APVMA Registration: Not classified

Registration NO: Not classified

Labelling: All necessary directions and warnings for normal use of the product are included on the product label.

SECTION 16 OTHER INFORMATION

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE TO THE BEST KNOWLEDGE OF IT. THE DATA ON THIS SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN, ASSUMES NO LEGAL RESPONSIBILITY FOR USE OR RELIANCE UPON THIS DATA. This MSDS cancels and replaces any preceding release.