

ARAB REPUBLIC OF EGYPT
MINISTRY OF AGRICULTURE AND
LAND RECALMATION
AGRICULTURAL
PESRICIDE COMMITTEE

Technical Data Sheet
For Experimentation

Devi oxi 84% wp

INTRODUCTION

Common Name:

Copper oxychloride

Use:

fungicides

Company name	:	Devidayal sales limited
situation	:	
Nationality	:	india
Address	:	india
Remarks	:	

Applicant

Name	:	INTERNATIONAL CENTER FOR MARKETING ICM
Address	:	34 mahmoud khairy st. nasr city- cairo
Nationality	:	EGYPTIAN
Tel.	:	24045740 – 240547444
Authority cert.	:	
Identity cert.	:	
Remarks	:	

Chemistry Of The Product

SYNONYMS

Common Name	:	Copper oxychloride
Code Number	:	135410-20-7
Trade Name	:	Devi oxi 84 5 wp

Initial Regist.	:	
Chemical Class	:	fungicides
Local Synonyms	:	

Chemical Name	(E)-n1-[(6-chloro-3-pyridinyl)methyl]-n-cyano-n-methyle thanimidanide
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Structural Formula	
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Physical and Chemical Prosperities:

Molecular Weight	:	222.7
Physical Form	:	Powder
Technical Purity	:	95%
Vapour Pressure	:	N/A
Colour & odour	:	Homogeneous liquid without visible suspended matter
M.P or b.p	:	98.9'c
Denisty	:	1.3
Solubility	:	In water 4250 mg/l
Octanol Number	:	N/A

Type of Formulations and Specifications

Contents	TYPES OF FORMULATIONS		
	SL		
ACTIVE INGREDIENT	84%		
INERT INGREDIENT	16%		

SPECIFICATIONS OF FORMULATIONS:

Appearance	:	Homogeneous liquid without visible suspended matter
Alkalinity or Acidity	:	5-5-8.5
Suspensibility	:	-----
Emulsification prosperities	:	-----
Density	:	1.33 at 20 ^o c
Viscosity	:	N/A
Flash point	:	N/A
Freeze point	:	N/A
Wettability	:	N/A
Practice size	:	N/A
Compatability	:	Avoid incompatible conditions
Heat stability	:	Decom posing rat for heat storage (54' ^o c \pm 2' ^o c14d)
Storage stability	:	stable
Mixing prosperities	:	N/A
Methods of analysis	:	Hp/c
Levels of impurities	:	N/A

Biological Spectrum

Pesticidal efficacy (list of pests)

Control of Hemiptera, especially aphids, thysanoptera and Lepidoptera

Mode of Action:

Systemic insecticide with translaminar activity and with contact and stomach action.

Uses and Recommendations:

Target Pest	CROP	APPLICATION RATE / FADDAN	APPLICATION METHOD
Downy mildew	grapes	250 gm/100lit.	spraying

Phytotoxicity:

Non phytotoxic when used as recommended

Toxicological Studies

Acute Mammalian toxicity:

Acute Toxicity	ANIMAL	LD 50mg/kg body weight	
		Tchnical	Form
Oral	RAT	217	171 MG/KG
Dermal	RABBIT	2000	2150 MG/KG
Inhalation(mg/m ³ /2H)	RAT	0.29 MG/L	0.29 MG/L

Symptoms: EYE: slightly irritant

SKIN: slightly irritant

WHO Classification	Toxicity Category			Label Signal Word		
	High I	Mod II	Low III	Danger	Warning	Caution
Techn.		✓			✓	
Form		✓			✓	
impurities						

Chronic Toxicity

Carcinogenicity (WHO-IARC)

Non Carcinogenicity

Delayed neurotoxicity(WHO)

N/A

Hormonal disruption(WHO)

N/A

Tratogenicity & Reproduction (WHO)

Non Tratogenicity and reproduction

Mutagenicity (WHO)

Non mutagen city

Acceptable Daily Intake (ADI)

0.07 mg/kg b.w

Pre-Harvest Interval (PHI)

7 day

ECOTOXICOLOGY

1-Aquatic organism

Carp LC50 (24-96h) > 100 mg/L

2- Earthworms

N 1 A

3- Honey bees

Moderately toxic to bees

4- Birds

Bobwhite quail 180 mg/kg

5- Parasites and predators

Le50 (24h) > 200 mg/L

Environmental Chemistry

Fate in soil:

DT50 in clay 100m 1d, in light clay 1-2d

Effect on microbial Process: N/A

Methods of Res. Analysis: by gc

Fate in plants:

Slowly degraded on or in plants, forming five identified metabolites

Fate in water: N/A

Toxicity to aquatic organs:

Rate of hydrolysis at PH levels:

Photo degradation Rate:

Methods of Analysis:

Fate in animal: N/A

Safety Handling Storage and Disposal

Storage:

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Don't store food, beverage or tobacco products in the storage area.

Shelf life: N/A

Handling precautions:

Wash thoroughly with soap water after handling.

Containers (lining): N/A

Signs and symptoms of over exposure:

No specific symptoms of chronic overexposure are known to occur in humans:

Note to physician:

FIRST AIS:

If swallowed

If in eyes

If on skin

If inhaled

ANTIDOTE:

There is no specific antidote

REMARKS:

ICM-Group