SECTION-1: Identification of the substance / mixture and the company / undertaking

Catalogue Number	CS-T-13400
Product Name	Coumatetralyl
CAS No.	5836-29-3
Category	Pesticide Standards
Synonyms	3-(α-Tetralyl)-4-Hydroxycoumarin;3-(1,2,3,4-Tetrahydro-1-naphthyl)-4-hydroxycoumarin
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email **sales@clearsynth.com** for more details.

2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

2.2 Label Elements

Signal Word: Warning

Hazard Statement(s)

Code	Statement
H300	Not available
H311	Not available
H330	Not available

H372	Not available
H410	Not available
H310	Not available
H412	Not available

Precautionary Statement(s)

Code	Statement
P203	Not available
P260	Not available
P262	Not available
P264	Wash hands thoroughly after handling.
P270	Not available
P271	Use only outdoors or in a well-ventilated area.
P273	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Not available
P301+P316	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P316	Not available
P318	Not available
P319	Get medical help if you feel unwell.
P320	Not available
P321	Specific treatment (see … on this label).
P330	Not available
P361+P364	Not available
P391	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulatio

SECTION 3: Composition / information on ingredients

3.1 Substance

Component : Coumatetralyl
CAS Number : 5836-29-3
Molecular Formula : C19H16O3
Molecular Weight : 292.3
Parent Chemical : Coumatetralyl
Synonyms : 3-(α-Tetralyl)-4-Hydroxycoumarin;3-(1,2,3,4-Tetrahydro-1-naphthyl)-4-hydroxycoumarin
Concentration : Not available

SECTION 4: First aid measures

Not available

SECTION 5: Firefighting measures

Not available

SECTION 6: Accidental release measures

Not available

SECTION-7: Handling and storage

Not available

SECTION 8: Exposure controls / personal protection

Not available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

SECTION 10: Stability and reactivity

Not available

SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity: LC50 (rat) = 39 mg/m3/4h /LABORATORY ANIMALS: Acute Exposure/ Lactating female albino rats have been treated with coumatetralyl rodenticide. The lethal effect on mothers was of 40% (using a maximum concentration of toxic substance) while it was of 54% in offsprings.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.

- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure
- No data available.

Symptoms related to the physical, chemical and toxicological characteristics
- /LABORATORY ANIMALS: Acute Exposure/ A case study in which pigs were poisoned by coumatetralyl was examined. A total of 18 piglets were first noticed to have pale skin at 2 weeks of age, and 5 died within the next 2 weeks. Another 14 pigs about 10 weeks old turned pale; some were lame and hemorrhaged from the nose and eyes. Eventually 10 of these pigs died. One of the mothers also showed these symptoms but eventually recovered without treatment. Postmortems of three pigs showed severe hemorrhage and edema with hematomas in the lumbar region and hemorrhage into the pleural cavity of one animal. Over an 8 week period, approximately 2 kilograms of the 0.8 percent coumatetralyl commercial powder had been spread along ledges both in the feeding mixing shed and in the two pens containing affected pigs. Experimental pigs were given 0.10, 0.25, 0.50, or 1.00 milligram (mg) coumatetralyl per kilogram (kg) body weight and observed to see if symptoms were similar to those observed in poisoned pigs. Vitamin-K1 therapy was used and its effectiveness as an antidote was evaluated. Lameness was noted in pigs between 3 and 6 days after starting treatment, and the main source of external hemorrhage was from the hole punched for the eartag; this was seen soon after lameness. Difficulty in rising or paralysis often preceded death. Predominant postmortem findings in pigs which died were subcutaneous and interstitial hemorrhages, with edema of the skeletal musculature. The heart, lungs, liver, spleen, kidneys, and skeletal musculature showed no evidence of hemorrhage. A single dose of 1.5 to 2.5 mg/kg vitamin-K1 was effective in curing pigs.

SECTION 12: Ecological information

Not available

SECTION 13: Disposal considerations

Not available

SECTION 14: Transport information

Not available

SECTION 15: Regulatory information

Not available

SECTION 16: Other information

Not available

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