

M A T E R I A L   S A F E T Y   D A T A   S H E E T

Earth City Resources  
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Date 01/17/01

PRODUCT NAME: Starlicide Complete

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1. HAZARDOUS INGREDIENTS:

3-Chloro-p-Toluidine Hydrochloride  
CAS Number [7745-89-3]

% w/w  
0.1

2. PHYSICAL/CHEMICAL CHARACTERISTICS:

Solubility in Water: Insoluble

Appearance and Odor: Yellow to tan pellets with a characteristic grain odor.

3. FIRE AND EXPLOSION HAZARD DATA:

Extinguishing Media: Water, dry chemical, carbon dioxide, foam

Unusual Fire and Explosion Hazards: Nonflammable and Nonexplosive

4. REACTIVITY DATA:

Stable.

Hazardous Polymerization: Will not occur.

5. HEALTH HAZARD DATA:

Toxicity of 3-Chloro-p-Toluidine Hydrochloride:

Mouse Oral LD<sub>50</sub> - 2000 mg/kg

Field Mice (Peromyscus) LD<sub>50</sub> - 1800 mg/kg

Rat Oral LD<sub>50</sub> - Fasted Male Albino Rats - 1770 mg/kg

Fasted Female Albino Rats - 1170 (830-1640) mg/kg

Rabbit Dermal LD<sub>50</sub> - Greater than 1250 mg/kg

Sheep - Single oral doses

200 mg/kg - no deaths

400 mg/kg - one of two died

## 5. HEALTH HAZARD DATA: (cont'd)

## Chicken - Single Oral Dose

<u>mg/kg</u>	<u>Killed/Total</u> mortality (time)
9	10/10 (2 days)
6	33/40 (2 days)
3	7/25 (3 days)

## - Chronic Toxicity - 5 days feeding

<u>PPM in Diet</u>	<u>Killed/Total</u>
250	10/10
60	8/10
15	0/10

## - Intraperitoneal Injection in Water

<u>mg/kg</u>	<u>Killed/Total</u>
6	7/10
3	3/10

## - Dermal (1/2 ml aqueous solution poured on back feathers)

	<u>mg/kg</u>	<u>Killed/Total</u>
<u>3 wk old</u>	50	7/10
<u>chicks</u> (200 gm):	25	6/15

Pigeon Oral LD<sub>50</sub> - 17 mg/kgRedwing Oral LD<sub>50</sub> - 1.8-3.2 mg/kgMagpie Oral LD<sub>50</sub> - 5.6-17.7 mg/kg

Dogs (Single oral dose in corn oil suspension)

<u>Dosage</u> <u>mg/kg</u>	<u>Sex</u>		<u>Mortality</u> <u>dead/alive</u>	<u>Days to</u> <u>Death</u>
	<u>M</u>	<u>F</u>		
1000	1	1	2/2	<1
500	1	1	2/2	3,3
250	2	-	2/2	1,1
100	-	2	2/2	3,1
50	-	1	0/1	-

5. HEALTH HAZARD DATA: (cont'd)

Route(s) of Entry: Inhalation-No  
Skin-Yes  
Ingestion-Yes

Carcinogenicity: NTP-No  
IARC-No  
OSHA-No

Signs and Symptoms of Exposure: Depression, hematuria, diuresis, burning of skin and eyes.

Emergency and First Aid Procedures:

Eyes and Skin: Flush with plenty of cool water.

If Swallowed: Induce vomiting and call a physician.

Note: 3-Chloro-p-Toluidine HCl can cause cyanosis.

6. PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to be Taken in Case Material is Released or Spilled:

Sweep up material and place in a suitable container.

Waste Disposal Method:

Disposal must be made in accordance with federal, state, and local regulations.

Precautions to be Taken in Handling and Storing:

Store in a cool, dry area away from foodstuffs.

7. CONTROL MEASURES:

Protective Gloves: Rubber

Work/Hygienic Practices: Wash hands thoroughly after handling.

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Earth City Resources, Inc. makes no warranty with respect thereto and disclaims all liabilities from reliance thereon.