

**1. PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product identifiers**

Product name: **LevaMed Soluble Drench Powder**  
 Product Numbers: 1LEV004, 1LEV005, 1LEV006  
 REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

**CAS-No.: 16595-80-5 (Levamisole Hydrochloride)**

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Veterinary medicine, Anthelmintic.

**1.3 Details of the supplier of the safety data sheet**

Company: Bimeda, Inc.  
 One Tower Lane, Suite 2250  
 Oakbrook Terrace Tower  
 Oakbrook Terrace, IL 60181  
 USA  
 Telephone: +1 630-928-0361

**1.4 Emergency telephone number**

Emergency Phone #: 800-424-9300 (Chemtrec Service)

**2. HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Irritant (Skin Irritation Category 2, Eye Irritant Category 2A)

Acute Toxicity (Category 4)

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**



Pictogram

Signal word                      Harmful

Hazard statement(s)

H302	Harmful if swallowed
H332	Harmful if inhaled
H315	Causes skin irritation.
H320	Causes eye irritation

Precautionary statement(s)

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P391	Collect spillage.
P405	Store locked up.

# SAFETY DATA SHEET – LevaMed Soluble Drench Powder

Version 1.0  
Revision Date 11/12/2014

P501

Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Synonyms : Levomysol Hydrochloride, Tramisol, Tramisole  
Chemical Name: Imidazo(2,1-b)thiazole, 2,3,5,6-tetrahydro-6-phenyl-, monohydrochloride, L-(-)-  
Formula: C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>S.HCl  
Molecular Weight: 240.75 g/mol  
CAS-No.: 16595-80-5

#### Hazardous components:

Component	Classification	Concentration
<b>Levamisole Hydrochloride</b>	Irritant (Skin Irritation Category 2, Eye Irritant Category 2A), Acute Toxicity (Category 4)	<b>90.0% w/w</b>

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

##### If inhaled

If breathed in, move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

##### In case of skin contact

Wash with soap and copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Consult a physician.

##### In case of eye contact

Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Consult a physician.

##### If swallowed

Never give anything by mouth to an unconscious person. Wash out mouth with water provided person is conscious. Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, carbon dioxide, dry chemical powder or suitable foam.

### 5.2 Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 5.4 Further information

No data available

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Wear disposable coveralls and discard them after use. Avoid dust formation. Ensure adequate ventilation.

Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and materials for containment and cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: From +15°C to +30°C

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Components with workplace control parameters – none known

## 8.2 Exposure controls

### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### Personal Protective Equipment:

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.

#### Body Protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- a) Appearance/Form: White to off-white powder
- b) Odor: Odorless
- c) Odor Threshold: No data available
- d) pH: No data available
- e) Melting point/freezing point: 226°C (438.8°F) -233°C
- f) Initial boiling point and boiling range: No data available
- g) Flash point: No data available
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: No data available
- n) Water solubility: Soluble
- o) Partition coefficient: No data available
- p) Auto-ignition temperature: No data available
- q) Decomposition temperature: No data available
- r) Viscosity: Not applicable
- s) Explosive properties: Not explosive
- t) Oxidizing properties: No data available

### 9.2 Other safety information

No data available

**10. STABILITY AND REACTIVITY****10.1 Reactivity**

No reactivity hazards known.

**10.2 Chemical stability**

Material is stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

**10.4 Conditions to avoid**

Excess heat, dust generation, incompatible materials, light.

**10.5 Incompatible materials**

Oxidizing agents.

**10.6 Hazardous decomposition products**

Carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...). Emits toxic fumes under fire conditions.

In the event of fire: see section 5.

**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute toxicity**

Levamisole Hydrochloride: LD50 Oral - rat 180 mg/kg

Levamisole Hydrochloride: LD50 Oral - mouse 223 mg/kg

**Skin corrosion/irritation**

May cause skin irritation

**Serious eye damage/eye irritation**

May cause eye irritation

**Respiratory**

May be harmful if inhaled.

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

Classified Reproductive system/toxin/female (Possible). May cause damage to the following organs: blood, lungs, immune system, central nervous system.

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

Based on available data, the classification criteria are not met.

## Additional Information

No data available.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

No ecotoxicity data noted

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product** - Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### DOT (US)

CLASS 6.1: Poisonous material.

Identification: Toxic Solid, Organic, n.o.s. (Levamisole Hydrochloride) UNNA: 2811 PG: III

## 15. REGULATORY INFORMATION

### REACH No

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### SARA 302 Components

Not listed

### SARA 313 Components

Not listed

### SARA 311/312 Hazards

Not listed

**California Right to Know Components**

Not listed

**16. OTHER INFORMATION**

**Full text of H-Statements referred to under sections 2 and 3.**

H302	Harmful if swallowed
H332	Harmful if inhaled
H315	Causes skin irritation
H320	Causes eye irritation

**HMIS Rating**

Health hazard: 2  
Flammability: 1  
Reactivity: 0

**NFPA Rating**

Health hazard: 2  
Fire Hazard: 1  
Reactivity Hazard: 0

**Further information**

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**Preparation Information**

Bimeda, Inc.  
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