

## MATERIAL SAFETY DATA SHEET



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### 1. Product and Company Identification

Product number

006

Product name

Lice Killer

Effective date

25-Oct-2007 Claire Manufacturing

Company information

500 Vista Ave.

Addison, IL 60101 United States

Company phone

General Assistance 630-543-7600

Emergency telephone US

800-424-9300

Emergency telephone outside US

703-527-3887

Supersedes date

02-Aug-2007

## 2. Hazards Identification

**Emergency overview** 

Prolonged exposure may cause chronic effects. CONTENTS UNDER PRESSURE. Aerosol. Pressurized container may explode when exposed to heat or flame.

**OSHA** regulatory status

This product is considered hazardous under 29 CFR 1910.1200 (Hazard

Communication).

Potential health effects

Eyes Skin

Health injuries are not known or expected under normal use.

Health injuries are not known or expected under normal use.

Inhalation

Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Ingestion

Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal

irritation, nausea, vomiting and diarrhea.

**Target organs** 

Central nervous system.

Chronic effects

May cause central nervous system disorder (e.g., narcosis involving a loss of

coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.

Signs and symptoms

Narcosis

## 3. Composition / Information on Ingredients

Components	CAS#	Percent
Propane	74-98-6	5~8
n-Butane	106-97-8	3 - 5
Non-hazardous and other components below reportable levels		> 90

#### 4. First Aid Measures

First aid procedures

Eye contact

Flush eyes with water as a precaution. Remove contact lenses, if present and easy to do.

Get medical attention if irritation develops or persists.

Skin contact

Immediately take off all contaminated clothing. Wash off with soap and water. Get

medical attention if irritation develops or persists.

Inhalation

Call a physician if symptoms develop or persist.

ingestion

Rinse mouth. Do not induce vomiting without medical advice. If vomiting occurs naturally,

have victim lean forward to reduce risk of aspiration. If ingestion of a large amount does

occur, seek medical attention.

Notes to physician

Symptoms may be delayed.

General advice

If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire Fighting Measures

Flammable properties

Containers may explode when heated. Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

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Extinguishing media

Suitable extinguishing media

Large Fires: Water spray, fog or regular foam.

Small Fires: Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media

Protection of firefighters

Protective equipment and precautions for firefighters Do not use a solid water stream as it may scatter and spread fire.

In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in

flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if

this is impossible, withdraw from area and let fire burn.

#### Accidental Release Measures

Personal precautions

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.

Methods for containment

Methods for cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Prevent entry into waterways, sewers, basements or confined areas. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated

# 7. Handling and Storage

Handling

Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Avoid prolonged exposure.

Storage

Level 1 Aerosol.

surface thoroughly.

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep container tightly closed. Keep the container dry. Keep out of the reach of children.

#### 8. Exposure Controls / Personal Protection

## **Exposure limits**

Components	CAS#	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established
OSHA				
Components	CAS#	TWA	STEL	Ceiling

1000 ppm

**Engineering controls** 

Propane

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection

Not normally needed.

74-98-6

Skin protection

Not normally needed.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use

appropriate certified respirators.

General hygeine considerations

When using do not smoke. Handle in accordance with good industrial hygiene and safety

Not established

#### 9. Physical & Chemical Properties

**Appearance** 

Compressed liquefied gas.

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MSDS US

Not established

Color

Odor

White.

Physical state

None.

Form

Liquid. Aerosol.

Flammability (HOC)

Flash back

Nο

Pressure

65 - 75 psig @70F

4.37 kJ/g estimated

Solubility

Partially

Flash point

-156 °F (-104.4 °C) estimated

**Boiling point** 

181.4 °F (82.8 °C) estimated

Specific gravity

0.9166 estimated

7.07 - 8.07

## 10. Chemical Stability & Reactivity Information

Chemical stability

Risk of ignition. Stable at normal conditions.

Conditions to avoid

Heat, flames and sparks.

Hazardous decomposition products

May include oxides of nitrogen.

## 11. Toxicological Information

**Acute effects** 

Acute LD50: 78942 mg/kg estimated, Rat, Oral Acute LD50: 20400 mg/kg estimated, Rat, Dermal Acute LC50: 160 mg/l/4h estimated, Rat, Inhalation

Sensitization

Not expected to be hazardous by OSHA criteria.

Chronic effects

Hazardous by OSHA criteria. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects.

Hazardous by OSHA criteria.

Neurological effects Mutagenicity Reproductive effects

Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by OSHA criteria.

Teratogenicity **Epidemiology** 

Not expected to be hazardous by OSHA criteria.

Further information

Symptoms may be delayed.

## 12. Ecological Information

**Ecotoxicity** 

LC50 1491 mg/L, Fish, 96.00 Hours,

Components of this product have been identified as having potential environmental

concerns.

#### 13. Disposal Considerations

Waste codes

D001: Waste Flammable material with a flash point <140 F

Disposal instructions

Consult authorities before disposal. Contents under pressure. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

## 14. Transport Information

## Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name

Consumer commodity

Hazard class

ORM-D

Subsidiary hazard class

None

Additional information:

Packaging exceptions Packaging non bulk

156, 306 156, 306

Packaging bulk

None

#### IMDG

Basic shipping requirements:

Proper shipping name

AEROSOLS, flammable

Hazard class

2.1 1950

**UN** number Additional information:

Packaging exceptions

LTD QTY

Item

Labels required

5F

**Transport Category** 

2.1 2

IATA

Basic shipping requirements:

Proper shipping name

Aerosols, flammable

Hazard class

2.1

**UN** number

1950

Additional information:

Packaging exceptions

LTD QTY





## 15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances - Not applicable.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous

chemical

Yes

CERCLA (Superfund) reportable quantity

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - Yes

Reactivity Hazard - No

Section 302 extremely

hazardous substance

No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region inventory name China

Europe

Inventory of Existing Chemical Substances in China (IECSC) European Inventory of New and Existing Chemicals (EINECS)

Europe

European List of Notified Chemical Substances (ELINCS) Inventory of Existing and New Chemical Substances (ENCS)

Japan Korea

Existing Chemicals List (ECL)

No

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

Yes

No

No

No

On inventory (yes/no)\*

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

U.S. - Pennsylvania - RTK (Right to Know) List

n-Butane Propane

106-97-8 74-98-6

Present Present

16. Other Information

**HMIS®** ratings

Health: 1\*

Flammability: 2 Physical hazard: 0

Prepared by

Material name: Lice Killer

Regulatory Compliance

Material ID: 783 Revision date: 25-OCT-2007 Print date: 25-OCT-2007

MSDS US

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date

25-Oct-2007

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