

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

Product number: 271  
 Product name: BUG BUSTER INSECT KILLER 15 OZ  
 Effective date: 01-May-2007  
 Manufacturer information: CLARE MANUFACTURING COMPANY  
 ADDISON, IL 60101 United States  
 Manufacturer phone: 866-436-8655  
 Emergency telephone US: 866-436-8655  
 Emergency telephone outside US: 952-452-4646  
 General Assistance 630-543-7600

## 2. Hazards Identification

CONTENTS UNDER PRESSURE.  
 Aerosol. Pressurized container may explode when exposed to heat or flame.

Prolonged exposure may cause chronic effects.

OSHA regulatory status: This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

### Potential health effects

**Eyes**  
 Health injuries are not known or expected under normal use.  
**Skin**  
 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.  
**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	10 - 15
n-Butane	106-97-8	10 - 15
Paraffinic, Naphthenic Sulfent	64742-47-4	5 - 8
Pipernyl Butoxide	51-03-6	3 - 5

## 4. First Aid Measures

**Eye contact**  
 Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.  
**Skin contact**  
 Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.  
**Inhalation**  
 Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Have victim rise mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.  
**Ingestion**  
 Do not use mouth-to-mouth method if victim ingested or swallowed the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.  
 Symptoms may be delayed.

Notes to physician

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## 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.

**Extinguishing media**  
 Suitable extinguishing media: Water fog. Foam. Dry chemical. Carbon dioxide (CO2).  
 Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

**Protection of firefighters**  
 Specific hazards arising from: Fire may produce irritating, corrosive and/or toxic gases.  
 Protective equipment and precautions for firefighters: 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. 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.  
 Fire may produce irritating, corrosive and/or toxic gases.

**Specific hazards**  
 Fire may produce irritating, corrosive and/or toxic gases.

## 6. Accidental Release Measures

**Personal precautions**  
 Ensure adequate ventilation. 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**  
 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.

**Methods for cleaning up**  
 Small Spills: Wipe up with absorbent material (e.g., cloth, tissue). Clean contaminated surface thoroughly.

## 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.  
 Level 1 Aerosol.

**Storage**  
 Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

ACGIH	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	CAS #	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established

**Engineering controls**  
 Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Personal protective equipment**  
 Eye / face protection: Wear chemical goggles.  
 Skin protection: Wear chemical protective equipment that is specifically recommended by the manufacturer.

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**MSDS Information Update**

Hazard Communication Coordinator  
GRAPHIC SOLUTIONS GROUP 304 N WALTON ST  
V# 292000  
DALLAS, TX 75226

Hazard Communication Coordinator  
GRAPHIC SOLUTIONS GROUP 304 N WALTON ST  
V# 292000  
DALLAS, TX 75226

Re: MSDS 271.876.974.975.983.973

Dear Customer:

Since customer safety is one of our chief service goals, we believe appropriate health, safety and environmental protection is needed to properly handle and utilize our products. The enclosed Material Safety Data Sheet(s) (MSDS), represent products you purchase, and contain pertinent safety information.

The Federal OSHA Hazard Communication Standard or other "Right to Know" legislation requires that Material Safety Data Sheets be in your possession. It is vital that you be familiar with the information and capable of communicating it to the employees and contractors who handle or work in the proximity of the products described. Also, if you resell products, you must furnish a copy of these Material Safety Data Sheet(s) to each of your customers who use or resell these products. Request such customers to notify their employees, customers and contractors of the information on these Material Safety Data Sheet(s).

We will make every effort to keep our Material Safety Data Sheets up to date, and we will make sure you receive revised issues as they are published. Please feel free to call your sales representative if you have any questions.

Very truly yours,

CLAIRE MANUFACTURING CO.

Hazard Communication Coordinator  
GRAPHIC SOLUTIONS GROUP 304 N WALTON ST  
V# 292000  
DALLAS, TX 75226

**Respiratory protection**  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
**General hygiene considerations**  
When using do not smoke, handle in accordance with good industrial hygiene and safety practice.

### 9. Physical & Chemical Properties

**Appearance**  
Aerosol.  
**Color**  
White.  
**Odor**  
Acromelic.  
**Physical states**  
Liquid.  
**Form**  
Aerosol.  
**Flammability (HOC)**  
15.63 kJ/g estimated  
**Flammability limits in air, upper, % by volume**  
Not available  
**Flammability limits in air, lower, % by volume**  
Not available  
**Flash back**  
No  
**Pressure**  
83 - 93 psig @70F  
**Solubility**  
Partially  
**Flash point**  
17.6 °F (-7.8 °C) estimated  
**Boiling point**  
147.2 °F (63.9 °C) estimated  
**Specific gravity**  
0.8189 estimated

### 10. Chemical Stability & Reactivity Information

**Chemical stability**  
Conditions to avoid  
Heat, flames and sparks.  
**Hazardous decomposition products**  
May include oxides of nitrogen.

### 11. Toxicological Information

**Acute effects**  
Acute LD50: 32095 mg/kg estimated, Rat, Oral  
Acute LD50: 5965 mg/kg estimated, Rat, Dermal  
Acute LC50: 73 mg/l/4h estimated, Rat, Inhalation  
Not expected to be hazardous by OSHA criteria.  
**Sensitization**  
Hazardous by OSHA criteria. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects.  
**Chronic effects**  
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.  
**Carcinogenicity**  
Hazardous by OSHA criteria.  
**Neurological effects**  
Not expected to be hazardous by OSHA criteria.  
**Mutagenicity**  
Not expected to be hazardous by OSHA criteria.  
**Reproductive effects**  
Not expected to be hazardous by OSHA criteria.  
**Teratogenicity**  
Not expected to be hazardous by OSHA criteria.  
**Further information**  
Symptoms may be delayed.

### 12. Ecological Information

**Ecotoxicity**  
LC50 638 mg/L estimated, 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**  
Contents under pressure. Indicate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewer/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

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### 14. Transport Information

**Department of Transportation (DOT) Requirements**  
**Basic shipping requirements:**  
Proper shipping name ORN-D  
Consumer commodity  
**Hazard class**  
None  
**Subsidiary hazard class**  
None  
**Additional information:**  
Packaging exceptions 156, 306  
Packaging non bulk 156, 306  
Packaging bulk None

### 15. Regulatory Information

**US federal regulations**  
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.  
**Occupational Safety and Health Administration (OSHA)**  
29 CFR 1910.1200 hazardous chemical Yes  
**CERCLA (Superfund) reportable quantity**  
None

**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**  
Section 311 hazardous chemical Yes

### Inventory status

Country(s) or region	Inventory name	On Inventory (Yes/No)*
China	Inventory of Existing Chemical Substances in China (IECS)	No
Europe	European Inventory of New and Existing Chemicals (ENIECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No
A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)		
<b>State regulations</b>		
U.S. - Pennsylvania - RTK (Right to Know) List		
In-Bucane	106-97-8	Present
Propene	74-98-6	Present

### 16. Other Information

**HMS@ ratings**  
Health: 1\*  
Flammability: 2  
Physical hazard: 0  
Regulatory Compliance

Prepared by

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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. 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.

01-May-2007

**Issue date**