



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 948-001  
**Product name** **Heat Stable Silicone Release Agent**  
**Effective date** 02-Nov-2009  
**Company information** Claire Mfg.  
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  
**Version #** 04  
**Supersedes date** 08-Feb-2008

## 2. Hazards Identification

**Emergency overview** FLAMMABLE  
CONTENTS UNDER PRESSURE. Aerosol. Contact with eyes may cause irritation.  
Prolonged exposure may cause chronic effects.

**Potential health effects**

**Routes of exposure** Skin contact. Ingestion.

**Eyes** Contact with eyes may cause irritation.

**Skin** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

**Target organs** Central nervous system. Lungs. Respiratory 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. May cause delayed lung damage.

**Signs and symptoms** Discomfort in the chest. Narcosis. Defatting of the skin. Irritation.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
n-Butane	106-97-8	50 - 60
Propane	74-98-6	20 - 30
Odorless Mineral Spirits	64742-48-9	10 - 15
Non-hazardous and other components below reportable levels		1 - 3

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Rinse with water.

**Skin contact** Wash off with warm water and soap.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, get medical attention.

**Ingestion** Rinse mouth. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician immediately.

## 5. Fire Fighting Measures

**Flammable properties** Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

**Extinguishing media****Suitable extinguishing media** Foam. Dry chemical. Carbon dioxide (CO2). Do not use water jet.**Protection of firefighters****Specific hazards arising from the chemical** 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. Containers should be cooled with water to prevent vapor pressure build up.**6. Accidental Release Measures****Methods for containment** Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.**Methods for cleaning up** Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

**7. Handling and Storage****Handling** Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Wear personal protective equipment. Avoid prolonged exposure.**Storage** Level 3 Aerosol.  
Contents under pressure. Do not puncture, incinerate or crush. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.**8. Exposure Controls / Personal Protection****Exposure limits****ACGIH**

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

**OSHA**

Material	CAS #	TWA	STEL	Ceiling
Heat Stable Silicone Release Agent	Mixture	15 mg/m3	Not established	Not established

**Components**

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

**Personal protective equipment****Skin protection** Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.**Respiratory protection** No personal respiratory protective equipment normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.**9. Physical & Chemical Properties****Appearance** Compressed liquefied gas.  
**Boiling point** -5.8 °F (-21.1 °C) estimated  
**Color** Colorless.  
**Flammability (HOC)** 42.0605 kJ/g estimated  
**Flash back** Yes  
**Flash point** -156 °F (-104.4 °C) Propellant

<b>Form</b>	Aerosol.
<b>Odor</b>	Solvent.
<b>pH</b>	Not applicable
<b>Physical state</b>	Gas.
<b>Pressure</b>	60 - 70 psig @70F
<b>Solubility</b>	Negligible
<b>Specific gravity</b>	0.582

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Risk of ignition.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological Information

<b>Acute effects</b>	Acute LD50: 18877 mg/kg estimated, Rat, Dermal
<b>Component analysis - LD50</b>	
<b>Toxicology Data - Selected LD50s and LC50s</b>	
n-Butane	106-97-8      Inhalation LC50 Rat 658 mg/L 4 h
Odorless Mineral Spirits	64742-48-9      Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >3160 mg/kg
Propane	74-98-6      Inhalation LC50 Rat 658 mg/L 4 h
<b>Sensitization</b>	Not expected to be hazardous by OSHA criteria.
<b>Teratogenicity</b>	Not expected to be hazardous by OSHA criteria.

## 12. Ecological Information

<b>Ecotoxicity</b>	LC50 18333 mg/L estimated, Fish, 96.00 Hours, Components of this product have been identified as having potential environmental concerns.
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## 13. Disposal Considerations

<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 F
<b>Disposal instructions</b>	Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. 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:

<b>Proper shipping name</b>	Consumer commodity
<b>Hazard class</b>	ORM-D
<b>Subsidiary hazard class</b>	None
<b>Additional information:</b>	
<b>Packaging exceptions</b>	156, 306
<b>Packaging non bulk</b>	156, 306
<b>Packaging bulk</b>	None
<b>ERG number</b>	170

**IMDG****Basic shipping requirements:**

**Proper shipping name** AEROSOLS  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Item** 5F  
**Labels required** None  
**Transport Category** 2

**IATA****Basic shipping requirements:**

**Proper shipping name** Aerosols, flammable  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Labels required** 2.1



<b>15. Regulatory Information</b>
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**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**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - No  
 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	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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	106-97-8	Present
Odorless Mineral Spirits	64742-48-9	Present
Propane	74-98-6	Present

<b>16. Other Information</b>
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**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 1  
Flammability: 4  
Physical hazard: 0

**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.

**MSDS sections updated**

This document has undergone significant changes and should be reviewed in its entirety.

**Prepared by**

Regulatory Compliance