



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 152-000P  
**Product name** **Cirque de Citron**  
**Effective date** 24-Jun-2011  
**Company information** Claire Manufacturing Co.  
1005 S. Westgate Drive  
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 #** 01

## 2. Hazards Identification

**Emergency overview** Flammable. Aerosol. CONTENTS UNDER PRESSURE.  
Will be easily ignited by heat, spark or flames. Harmful in contact with eyes.

**Potential health effects**

**Eyes** Contact may irritate or burn 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  |
|--|----------|----------|
| Acetone  | 67-64-1  | 60 - 70  |
| Propane  | 74-98-6  | 10 - 15  |
| n-Butane   | 106-97-8 | 10 - 15  |
| Non-hazardous and other components below reportable levels |          | 2.5 - 10 |

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin contact** Immediately take off all contaminated clothing. Wash off with soap and water. Get medical attention if irritation develops or persists.

**Inhalation** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Ingestion** In the unlikely event of swallowing contact a physician or poison control center.

**Notes to physician** Symptoms may be delayed.

## 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** Water fog. Foam. Alcohol foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

## Protection of firefighters

### Protective equipment and precautions for firefighters

In case 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.

### Methods for cleaning up

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 surface thoroughly to remove residual contamination.

## 7. Handling and Storage

### Handling

Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid prolonged exposure.

### Storage

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 in an area equipped with sprinklers. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

## 8. Exposure Controls / Personal Protection

### Exposure limits

#### ACGIH

##### Components

##### CAS #

##### TWA

##### STEL

##### Ceiling

Acetone

67-64-1

500 ppm

750 ppm

Not established

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

Acetone

67-64-1

1000 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

### Personal protective equipment

#### Eye / face protection

Do not get in eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

Not normally needed.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. 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

82.4 °F (27.8 °C) estimated

### Color

Clear.

### Density

0.7197 g/cm<sup>3</sup> estimated

### Flammability (HOC)

32.5503 kJ/g estimated

### Flash back

No

### Flash point

-156 °F (-104.4 °C) Propellant

### Form

Aerosol.

### Freezing point

Not available

### Odor

Pleasant.

### pH

Not applicable

|                         |                    |
|-------------------------|--------------------|
| <b>Physical state</b>   | Liquid.            |
| <b>Pressure</b>         | 45 - 65 psig @ 70F |
| <b>Solubility</b>       | Partially          |
| <b>Specific gravity</b> | 0.7198 estimated   |

## 10. Chemical Stability & Reactivity Information

|   |  |
|---|--|
| <b>Chemical stability</b>               | Stable at normal conditions. Risk of ignition. |
| <b>Conditions to avoid</b>              | Heat, flames and sparks.                       |
| <b>Incompatible materials</b>           | Strong oxidizing agents.                       |
| <b>Hazardous decomposition products</b> | May include oxides of carbon.                  |

## 11. Toxicological Information

|                      |  |
|----------------------|--|
| <b>Acute effects</b> | Acute LD50: 28718 mg/kg estimated, Rat, Dermal<br>Acute LC50: 105 mg/l/4h estimated, Rat, Inhalation |
|----------------------|--|

### Component analysis - LD50

#### Toxicology Data - Selected LD50s and LC50s

|          |          |                                  |
|----------|----------|----------------------------------|
| Acetone  | 67-64-1  | Oral LD50 Rat 5800 mg/kg         |
| n-Butane | 106-97-8 | Inhalation LC50 Rat 658 mg/L 4 h |
| 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 7790 mg/L, Fish, 96.00 Hours,<br>EC50 19011 mg/L, Daphnia, 48.00 Hours,<br>Components of this product have been identified as having potential environmental concerns. |
|--------------------|---|

## 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 to hazardous or special waste collection point. Do not incinerate sealed containers. 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               |

#### Additional information:

|                             |          |
|-----------------------------|----------|
| <b>Packaging exceptions</b> | 156, 306 |
| <b>Packaging non bulk</b>   | 156, 306 |
| <b>Packaging bulk</b>       | None     |

**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> |
|-----------------------------------|

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

Acetone: 5000.0000

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

**Section 302 extremely hazardous substance** No  
**Section 311 hazardous chemical** Yes  
**Hazard categories (311/312)** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - Yes  
 Reactivity Hazard - No

**Inventory status**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| China                       | Inventory of Existing Chemical Substances in China (IECSC) | No                     |
| Europe                      | European Inventory of New and Existing Chemicals (EINECS)  | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)     | No                     |
| 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              | 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**

| Chemical | Inventory ID | Inventory Status     |
|----------|--------------|----------------------|
| Acetone  | 67-64-1      | Environmental hazard |
| n-Butane | 106-97-8     | Present              |
| Propane  | 74-98-6      | Present              |

|                              |
|------------------------------|
| <b>16. Other Information</b> |
|------------------------------|

**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. The information in the sheet was written based on the best knowledge and experience currently available.

**Prepared by**

Regulatory Compliance