



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 909-006  
**Product name** Industrial Heavy Duty Orange Power  
**Effective date** 16-Mar-2011  
**Company information** Claire Mfg.  
1005 Westgate  
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 #** 07  
**Supersedes date** 04-Mar-2011

## 2. Hazards Identification

**Emergency overview** Aerosol. Will be easily ignited by heat, spark or flames. CONTENTS UNDER PRESSURE.  
FLAMMABLE  
Prolonged exposure may cause chronic effects.

**Potential health effects**

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

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

**Skin** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**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.

**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. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

**Signs and symptoms** Discomfort in the chest. Narcosis. Coughing. Defatting of the skin. Skin irritation.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	30 - 40
Diethylene Glycol Monobutyl Ether	112-34-5	20 - 30
Acetone	67-64-1	10 - 15
d-Limonene	5989-27-5	8 - 10
Ethoxylated Alcohol	34398-01-1	3 - 5
Carbon Dioxide	124-38-9	1 - 3
Non-hazardous and other components below reportable levels		10 - 20

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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

**Inhalation**  
**Ingestion**

Move to fresh air. Get medical attention immediately.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from 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. Water spray. Water fog. Alcohol foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**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 case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up. Cool containers with flooding quantities of water until well after fire is out.

## 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. Use water spray to reduce vapors or divert vapor cloud drift.

**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. After removal flush contaminated area thoroughly with water.

## 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. Wear personal protective equipment. 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. Do not handle or store near an open flame, heat or other sources of ignition. 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**

Diethylene Glycol Monobutyl Ether 112-34-5

20 ppm

Not established

Not established

Acetone

67-64-1

500 ppm

750 ppm

Not established

Ethoxylated Alcohol

34398-01-1

50 ppm

Not established

Not established

Carbon Dioxide

124-38-9

5000 ppm

30000 ppm

Not established

**OSHA**

**Components**

**CAS #**

**TWA**

**STEL**

**Ceiling**

Diethylene Glycol Monobutyl Ether 112-34-5

100 ppm

Not established

Not established

Acetone

67-64-1

1000 ppm

Not established

Not established

Ethoxylated Alcohol

34398-01-1

200 ppm

Not established

300 ppm

Carbon Dioxide

124-38-9

5000 ppm

Not established

Not established

## Personal protective equipment

### Eye / face protection

Chemical goggles are recommended.

### Skin protection

Wear appropriate chemical resistant clothing. Chemical resistant gloves.

### 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

<b>Appearance</b>	Compressed liquefied gas.
<b>Boiling point</b>	368.6 °F (187.2 °C) estimated
<b>Color</b>	Clear. Colorless.
<b>Density</b>	0.7868 g/cm <sup>3</sup> estimated
<b>Flammability (HOC)</b>	32.3842 kJ/g estimated
<b>Flash back</b>	No
<b>Flash point</b>	-156 °F (-104.4 °C) Propellant
<b>Form</b>	Aerosol.
<b>Freezing point</b>	Not available
<b>Odor</b>	Solvent.
<b>pH</b>	Not applicable
<b>Physical state</b>	Liquid.
<b>Pressure</b>	60 - 70 psig @ 70F
<b>Solubility</b>	Partially
<b>Specific gravity</b>	0.7869 estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Risk of ignition. Instability caused by elevated temperatures. Stable at normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological Information

<b>Acute effects</b>	Acute LD50: 3166 mg/kg estimated, Rat, Dermal Acute LC50: 12 mg/l/4h estimated, Rat, Inhalation	
<b>Component analysis - LD50</b>		
<b>Toxicology Data - Selected LD50s and LC50s</b>		
Acetone	67-64-1	Oral LD50 Rat 5800 mg/kg
Diethylene Glycol Monobutyl Ether	112-34-5	Oral LD50 Rat 3384 mg/kg; Dermal LD50 Rabbit 2700 mg/kg
d-Limonene	5989-27-5	Oral LD50 Rat 4400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
<b>Sensitization</b>	May cause sensitization by skin contact.	
<b>Teratogenicity</b>	Not expected to be hazardous by OSHA criteria.	

## 12. Ecological Information

<b>Ecotoxicity</b>	LC50 118 mg/L, Fish, 96.00 Hours, EC50 5378 mg/L, Daphnia, 48.00 Hours, IC50 1981 mg/L, Algae, 72.00 Hours, Contains a substance which causes risk of hazardous effects to the environment.
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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 to hazardous or special waste collection point. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001.

## 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	156, 306
Packaging non bulk	156, 306
Packaging bulk	None

### IMDG

#### Basic shipping requirements:

Proper shipping name	AEROSOLS
Hazard class	2.1
UN number	1950

#### Additional information:

Packaging exceptions	LTD QTY
Labels required	None



### 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



## 15. Regulatory Information

### US federal regulations

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

#### U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Diethylene Glycol Monobutyl Ether 112-34-5

1.0 % de minimis concentration (applies to R-(OCH<sub>2</sub>CH<sub>2</sub>)<sub>n</sub>-OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)

### 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 - Yes  
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**

Acetone	67-64-1	Environmental hazard
Carbon Dioxide	124-38-9	Present
Diethylene Glycol Monobutyl Ether	112-34-5	Environmental hazard
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	Present

**16. Other Information****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. 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. 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,

**Prepared by**

Regulatory Compliance