

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

Product number  
Product name Metal Parts Protector  
Effective date January 1, 2015  
Supplier Evcor Solutions Inc.  
Toronto, Ontario M5V 1T5  
Supplier phone 1-800-860-1537  
Emergency telephone 1-616-996-6666

## 2. Hazards Identification

Emergency overview Aerosol. Extremely flammable. Will be easily ignited by heat, spark or flames. CONTENTS UNDER PRESSURE. Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

Potential health effects

Routes of exposure Eye contact. 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. Components of the product may be absorbed into the body by ingestion.

Target organs Central nervous system. Kidneys. Lungs.

Chronic effects Conjunctiva. Kidney injury may occur. 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. Conjunctivitis. Defatting of the skin. Skin irritation.

## 3. Composition /Information on Ingredients

Components	CAS#	Percent
n-Butane	106-97-8	30-40
Mineral Spirits	8052-41-3	20- 30
Propane	74-98-6	10- 15
Non-hazardous and other components below reportable levels		20-40

## 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 Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention immediately. 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. Call a physician or Poison Control Center immediately.

Ingestion

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. Do not use mouth-to-mouth method if victim ingested the substance. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to physician

Symptoms may be delayed.

### 5. Fire Fighting Measures

Flammable properties

Runoff to sewer may cause fire or explosion hazard.

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 contact with skin. Avoid prolonged exposure.

Storage

Contents under pressure. 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 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

n-Butane

106-97-8

1000 ppm

Not established

Not established

Mineral Spirits

8052-41-3

100 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

OSHA

Components

CAS#

TWA

STEL

Ceiling

Mineral Spirits

8052-41-3

500 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

Personal protective equipment

Eye / face protection

Chemical goggles are recommended. Wear tight-fitting goggles or face shield.

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

Appearance

Not available

Boiling point

165.2 °F (73.9 °C) estimated

Color

dark brown

Density

0.7152 g/cm3 estimated

Flammability (HOC)	38.1372 kJ/g estimated
Flash back	No
Flash point	-156 °F (-104.4 °C) Propellant
Form	Aerosol.
Freezing point	Not available
Odor	solvent
Physical state	Liquid.
Pressure	50 psig @72°F
Solubility	Partially
Specific gravity	0.7153 estimated

## 10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition.
Conditions to avoid	Avoid high temperatures.
Hazardous decomposition products	No hazardous decomposition products are known.

## 11. Toxicological Information

### Component analysis • LD50

#### Toxicology Data - Selected LD50s and LC50s

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

## 12. Ecological Information

Ecotoxicity	Not expected to be harmful to aquatic organisms.
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## 13. Disposal Considerations

Waste codes	D001: Waste Flammable material with a flash point <140 F
Disposal instructions	Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container to hazardous or special waste collection point. 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	Aerosols
Hazard class	2.1
UN number	UN1950

#### Additional information:

Special provisions	153, N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

Further information	This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2013, the "Consumer Commodity-ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/13 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.
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## IMOG

### 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.  
CERCLA/SARA Hazardous Substances - Not applicable.

### Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous        Yes  
chemical

### CERCLA (Superfund) reportable quantity

None

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

Section 302 extremely                No  
hazardous substance  
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)	Yes
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)	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

## 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.

Prepared by

Regulatory Compliance