

# MATERIAL SAFETY DATA SHEET

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## SECTION I. PRODUCT IDENTIFICATION AND USES

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PRODUCT NAME: TYPHOON EFFECTIVE DATE: 02-29-2012

WHMIS CLASS: Class A: Compressed gas.  
Class B-5: Flammable aerosol.

T.D.G. CLASSIFICATION: Consumer Commodity

SUPPLIER NAME AND ADDRESS: Evcor Solutions Inc.  
530 Adelaide Street West  
Site 6107  
Toronto, Ontario . M5V 1T5

MSDS PREPARED BY SAME: Telephone: (416) 409 7477

EMERGENCY PHONE: CANUTEC (613) 996 6666

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## SECTION II. HAZARDOUS INGREDIENTS

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Name	CAS#	% by Weight	TLV/PEL	LC50	LD50
Liquefied petroleum gas	068476857	90-100	TWA: 1000 CEIL: 1250 ppm TWA: 1800 CEIL: 2250 mg/m <sup>3</sup>	Not available	Not available

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## SECTION III. PHYSICAL DATA

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BOILING POINT:	Not available	VOLATILITY:	Not available
VAPOR PRESSURE:	6395.05 mm of Hg (@ 20°C)	EVAPORATION RATE:	Not available
VAPOR DENSITY:	1.81 (Air = 1)	pH(1% soln/water):	1.2 ppm based on data for: Liquefied petroleum gas
SOLUBILITY:	Soluble in water	VISCOSITY:	Not available
PHYSICAL STATE & COLOR:	Colourless gas, faint sweet odour.	ODOUR THRESHOLD:	Not available
SPECIFIC GRAVITY:	0.499(Water = 1)		

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**SECTION IV. FIRE AND EXPLOSION DATA**

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FLAMMABILITY:	Extremely flammable aerosol
AUTO-IGNITION TEMPERATURE:	287°C (548.6°F)
FIRE DEGRADATION PRODUCTS:	These products are carbon oxides (CO, CO <sub>2</sub> ) and other irritating gases.
FLASH POINTS:	CLOSED CUP: -104°C (-155.2°F) (TAGLIABUE)
FLAMMABLE LIMITS:	LOWER: 1.9% UPPER: 9.5%
FIRE EXTINGUISHING PROCEDURES:	Flammable gas. SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , alcohol foam or water spray. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. Move containing vessels from fire area if without risk. Cool containing vessels with flooding quantities of water until well after fire is out. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. DO NOT extinguish a leaking gas flame unless leak can be stopped. Extinguish secondary fire. Handle damaged cylinders with extreme care.
FLAMMABILITY:	Extremely flammable in presence of open flames, high temperature and ignition sources. The flashpoint of an aerosol by WHMIS definition is determined by its flame-extension or its flashback. The flame extension of this product is greater than 45 cm. Cdn. NFC. Level 3.
RISKS OF EXPLOSION:	Risks of explosion of the product in presence of mechanical impact: Do not subject aerosol cans to impact. Risk of explosion of the product in the presence of static discharge: Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapours of this product may form a flammable/explosive mixture when vapours present are between the lower (0.6%) and upper (19%) flammable limits and come into contact with open flames, sparks or static discharge. Do not expose aerosol containers to open flames, heat or ignition sources.

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**SECTION V. REACTIVITY DATA**

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STABILITY:	Stable
HAZARDOUS DECOMP. PRODUCTS:	Not available
PRODUCTS OF DEGRADATION:	These products are carbon oxides (CO, CO <sub>2</sub> ) and other irritating gases.
REACTIVITY:	Avoid contact with strong oxidizers. Keep away from heat, sparks, open flame and all possible ignition sources.

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**SECTION VI. TOXICOLOGICAL PROPERTIES**

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ROUTES OF ENTRY: Eye contact, Skin contact, Inhalation, Ingestion

**EFFECTS OF ACUTE EXPOSURE:**

EYE:	Liquid contact can cause frostbite.
SKIN CONTACT:	Liquid contact can cause frostbite. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.
INHALATION:	This product may be irritating to nose, throat and respiratory tract. May cause coughing and sneezing. Vapours of this product may cause suffocation by reducing oxygen available for breathing. Breathing HIGH concentrations of vapour may cause light headedness, giddiness and shortness of breath..
INGESTION:	Contact to mouth, lips, tongue or any tissue with liquid spray can cause severe frostbite. THIS PRODUCT CAN CAUSE SEVERE FROSTBITE IF IT ACCIDENTALLY COMES IN CONTACT WITH SKIN, EYES OR OTHER TISSUE.

**EFFECTS OF CHRONIC EXPOSURE:**

**CARCINOGENIC EFFECTS:** The ingredients of this product are not listed as carcinogens by OSHA or ACHIB U.S. National Toxicology Program.  
**MUTAGENIC EFFECTS:** No information available and no adverse effects are anticipated.  
**TERATOGENIC EFFECTS:** No information available and no adverse effects are anticipated. Toxicity of the product to the reproductive system: Not available.

**SECTION VII. PREVENTIVE MEASURES**

**GLOVES:** Butyl gloves.  
**EYE PROTECTION:** Splash goggles.  
**RESPIRATORY PROTECTION:** Self-contained breathing apparatus is required if a LARGE RELEASE of gas occurs.  
**OTHER PROTECTIVE EQUIPMENT:** As required by employer code.  
**ENGINEERING CONTROLS:** Use only in well ventilated areas.  
**LEAK AND SPILL PROCEDURE:** Try to stop the gaseous leak by taping the container with an appropriate material (tape, stretched plastic). Large spills not applicable for aerosol containers.  
**WASTE DISPOSAL:** Review federal, provincial and local government requirements prior to disposal. Recycle to process, if possible. Consult your local or regional authorities. When container is empty, press button to release all pressure, then dispose of in garbage can.  
**STORAGE REQUIREMENTS:** CONTENTS UNDER PRESSURE. Compressed gases should be stored in a safety storage cabinet or room. Do not puncture, incinerate, store the container at temperatures above 49°C(120°F) or in direct sunlight. Keep in a cool, well- ventilated place. Keep away from heat. Keep away from sources of ignition.

**SECTION VIII. FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.  
**SKIN CONTACT:** FLUSH IMMEDIATELY WITH RUNNING WATER If irritation or frosting of tissue occurs then seek immediate medical attention. Dermal contact with a rapidly evaporating liquid could result in frosting of the tissues or frostbite. Try to warm up the frozen tissues.  
**INHALATION:** Allow victim to rest in a well ventilated area. Seek immediate medical attention.  
**INGESTION:** Contact with mouth, lips, tongue or any other tissue with liquid spray can cause severe frostbite. Seek immediate medical attention.

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