

# Twin Pro Industrial

## Safety Data Sheet

### 1.) IDENTIFICATION:

**Product Name:** Direct  
**Other Means of Identification:** None  
**Product Use and restrictions on use:** Agricultural Insecticide (Fly Spray)  
**Supplier Identifier:** Twin Industrial Holdings Ltd.  
O/A Twin Pro Industrial  
731 – 30<sup>th</sup> Street North, Bay #2  
Lethbridge, AB  
T1H 5G5  
403-329-4878  
**Prepared by** Twin Pro Industrial  
**Emergency Phone** CANUTEC at 1-613-996-6666

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### 2.) HAZARDS IDENTIFICATION

While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

#### **Signal Word**

No signal word

#### **Hazard Statements**

No known significant effects or critical hazards

#### **Pictograms**

Not Applicable

#### **Precautionary Statements**

Do not breathe dust/fume/gas/mist/vapors/spray

Wear protective eye/face protection

Wash thoroughly after handling

Use personal protective equipment as required

Absorb spillage to prevent material damage

IF ON SKIN: Immediately flush skin with plenty of soap and water, remove contaminated clothing and laundry before reuse.

IF IN EYES: Immediately flush eyes, keeping eyelids open, flush with plenty of water for at least 15 min.

IF SWALLOWED: Dilute with small quantities of water (200 – 250 ml) induce vomiting, get medical attention.

IF INHALED: Remove to fresh air, if not breathing give artificial respiration, obtain medical attention.

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### 3.) COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Weight %</b>	<b>Unique Identifiers</b>
Cyfluthrin	68359-37-5	15% - 25%	None
Crystalline Silica	14808-60-7	1% - 5%	None

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### 4.) FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek immediate medical attention.

**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation occurs or persists.

**Eye Contact:** Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical attention.

**Ingestion:** Dilute with small quantities of water (200 – 250 ml) induce vomiting, get medical attention, never give anything by mouth to an unconscious person.

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#### **5.) FIRE – FIGHTING MEASURES**

**Suitable Extinguishing Media:** Non-Flammable, use extinguishing media for surrounding fire.

**Unsuitable Extinguishing Media:** Not Available

**Specific Hazards Arising From The Chemical:** Not Available

**Special Protective Equipment For Fire-Fighters:** Fire fighters should wear full protective clothing, including self-contained breathing equipment suitable for surrounding fire.

**Further Information:** Not Available

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#### **6.) ACCIDENTAL RELEASE MEASURES**

**Personal Precautions/ Protective Equipment/ Emergency Procedures:** Wear appropriate protective equipment

**Environmental precautions:** Not Available

**Methods and Material For Containment and Cleaning Up** Small spills wipe up material with paper rags or diatomaceous earth. Absorb large spills using inert material (floor dry).

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#### **7.) HANDLING AND STORAGE**

**Precautions for Safe Handling:** Avoid prolonged or repeated skin contact.

**Conditions for Safe Storage:** Store in a cool area away from material intended for use or consumption by animals.

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#### **8.) EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Exposure Limit(s)</b>			
<b>Component</b>	<b>Regulation</b>	<b>Type of Listing</b>	<b>Value</b>
Cyfluthrin	Not Available	Not Available	Not Available
Crystalline Silica	Not Available	Not Available	Not Available

#### **Engineering Control(s)**

**Ventilation Requirements:** Wear appropriate respirator when contamination levels exceed exposure limits.

**Other:** Not Available

#### **Protective Equipment**

**Eyes/Face:** Safety goggles may be worn

**Hand Protection:** Chemical resistant gloves may be worn

**Skin and Body Protection:** Wear long sleeves & trousers, no special foot wear required.

**Respiratory Protection:** Not required under normal use

**Thermal Hazards** Not Available

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## **9.) PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance**

Physical State	Liquid
Color	Brown
Odor	Slight aromatic
Odor Threshold	Not Available

### **Property**

pH	9.2 – 1% solution
Melting Point/Freezing Point	Not Available
Flash Point	Not Applicable
Evaporation Rate	Not Available
Flammability	Non-Flammable
Upper Flammable Limit	Not Applicable
Lower Flammable Limit	Not Applicable
Vapor Pressure (mm Hg, 20°C)	3.3 x 10 <sup>-8</sup> MMHG: 20°
Vapor Density (Air=1)	Not Available
Relative Density	Not Available
Solubility (ies)	Complete
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Applicable
Decomposition Temperature	Not Available
Viscosity	Not Available

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## **10.) STABILITY AND REACTIVITY**

Reactivity	Stable Material
Stability	Stable Material
Possibility of Hazardous Reactions	Not Available
Conditions to Avoid	Avoid contact with alkaline materials, methanol
Incompatible Materials	Alkaline materials, methanol
Hazardous Decomposition Products	Not Available

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## **11.) TOXICOLOGICAL PROPERTIES**

### **Acute Toxicity**

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>LC<sub>50</sub></b>
Cyflutrin	Not Available	Not Available	Not Available
Crystalline Silica	Not Available	Not Available	Not Available

### **Product**

Direct	3084 mg/kg (rat) 1733 mg/kg male	.2000 mg/kg (rabbit male & female)	>1.16 mg/L (rat male & Female)
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### **Chronic Toxicity – Carcinogenicity**

<b>Product</b>	<b>IARC</b>
Direct	This product is not listed as a carcinogen by OSHA

Skin Corrosion/Irritation	Irritant
Ingestion	Irritant
Inhalation	Irritant
Serious eye Damage/Irritation	Irritant
Germ cell Mutagenicity	Negative
Reproductive Toxicity	The noel for both material and reproductive effects 50 ppm
STOT – Single Exposure	Not Available
STOT – Repeated Exposure	Not Available
Aspiration Hazard	Not Available
Synergistic Materials	Not Available

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## **12.) ECOLOGICAL INFORMATION**

### **Exotoxicity**

<b>Component</b>	<b>Toxicity to Algae</b>	<b>Toxicity to Fish</b>	<b>Toxicity to Daphnia and Other Aquatic Invertebrates</b>
Cyfluthrin	Not Available	Not Available	Not Available
Crystalline Silica	Not Available	Not Available	Not Available
<b>Biodegradability</b>	Not Available		
<b>Bioaccumulation</b>	Not Available		
<b>Mobility</b>	Not Available		
<b>Other information:</b>	Not Available		

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## **13.) DISPOSAL CONSIDERATIONS**

<b>Waste From Residues/ Unused Product:</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
<b>Contaminated Packaging:</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act

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## **14.) TRANSPORT INFORMATION**

<b>UN:</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>Transport Hazard Class (es)</b>	Not Regulated
<b>Packing Group</b>	Not Regulated
<b>Environmental Hazards</b>	Not Available
<b>Special Precautions</b>	Do Not Freeze
<b>Transport in Bulk</b>	Not Available

### **TDG**

<b>Other:</b>	Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.
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## **15.) REGULATORY INFORMATION**

Note: The product listed on this SDS has been classified in accordance with the hazard criteria of the controlled products Regulations. This SDS contains all the information required by those regulations.

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## **16.) PREPARATION AND OTHER INFORMATION**

Version 2                      Preparation Date:              Jan 15, 2016

**USE THIS NUMBER IN CASE OF DANGEROUS GOODS EMERGENCY:  
CANUTEC (613) 996-6666**

**Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.**

### **Attention: Receiver of the chemical goods / SDS coordinator**

Twin Industrial Holdings Ltd. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheets(s) to all affected employees, customers and end –users.