



## SECTION I. IDENTIFICATION

<b>Product Identifier(s):</b>	1,4Zap® Technical Plant Growth Regulator	1,4Zap® Aerosol Grade - Potato Sprout Eliminator	
<b>Other Means of Identification:</b>	Registration No. 33491 Pest Control Products Act	Registration No. 33492 Pest Control Products Act	
	US EPA Registration No. 67727-7		
<b>Active Ingredient:</b>	1-Octanol (99.0%)		
<b>CAS No.:</b>	111-87-5		
<b>EC No.:</b>	203-917-6		
<b>Recommended Use(s):</b>	FOR MANUFACTURING, FORMULATING, OR REPACKAGING	FOR POST-HARVEST APPLICATION ON STORED POTATOES	
<b>Restrictions on Use:</b>	COMMERCIAL. READ THE LABEL BEFORE USING. USE ONLY IN VENTILATED STORAGE FACILITIES. NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label.		
<b>Registrant/Canadian Representative(s):</b>	1,4GROUP, Inc.	1,4GROUP Canada	1,4GROUP Canada
<b>Address:</b>	P.O. Box 860 Meridian, ID 83680	3929-160 Ave. NE Edmonton, AB T5Y 3J7	118, 4310-33 St. Stoney Plain, AB T7Z 0A8
<b>Telephone Number:</b>	1-208-887-9766		
<b>Emergency Telephone Number:</b>	For Spill, Leak, Fire, Exposure, or Accident call PERS 1-800-633-8253		

## SECTION 2. HAZARD(S) IDENTIFICATION

### WHMIS 2015/HPR/OSHA/GHS Classification of the Product(s):

NOT APPLICABLE TO REGISTERED PESTICIDES. See page 3 and Section 15.

### PCPA Label Elements

**Symbol:** NOT APPLICABLE.

**Signal Word:** WARNING.

**Hazard Statements:** EYE AND SKIN IRRITANT.

### Precautionary Statements:

**Prevention:** PREVENT ACCESS BY UNAUTHORIZED PERSONNEL. KEEP OUT OF REACH OF CHILDREN. READ THE LABEL BEFORE USING.  
Causes eye and skin irritation. DO NOT get in eyes or on skin. Avoid contact with clothing. May be irritating to the respiratory tract. May be harmful if inhaled. Avoid breathing vapour or fog. Wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear during handling, loading, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during handling, loading, clean-up and repair. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.



## 1,4Zap® Technical and 1,4Zap®

Safety Data Sheet (SDS)

Date of Preparation: 1 Jun 2020

### RESTRICTED ENTRY INTERVAL (REI):

Do not allow entry into treated areas until complete ventilation of the storage facility has occurred with aerosol particles visibly settled. In the event that it is necessary to enter the storage area during treatment, or before the required ventilation period is complete, workers must wear coveralls over a long-sleeved shirt, long pants, socks and chemical-resistant footwear, chemical-resistant gloves, goggles, and a respirator with a NIOSH-approved organic vapour-removing cartridge with a prefilter approved for pesticides or a NIOSH-approved canister approved for pesticides.

### ENVIRONMENTAL PRECAUTIONS:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. DO NOT contaminate water when cleaning equipment or disposing of equipment washwaters.

### Response:

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

### Storage:

Store in original container. To prevent contamination store this product away from food or feed. Keep container closed.

### Disposal:

Canadian manufacturers should dispose of unwanted active ingredients and containers in accordance with municipal or provincial regulations. For additional details and cleanup of spills, contact the manufacturer or the provincial regulatory agency.

- Empty all the liquid from the plastic container into the applicator.
- Follow provincial instructions for any required additional cleaning of the container prior to disposal.
- Make the empty container unsuitable for further use.
- Dispose of the container in accordance with provincial requirements.
- For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency.



**WHMIS 2015/HPR/OSHA/GHS Classification of the Active Ingredient 1-Octanol:**

1-Octanol is classified as hazardous according to WHMIS 2015/HPR Parts 7 & 8.  
Aspiration Hazard - Category 1  
Serious Eye Irritation - Category 2A  
Skin Irritation - Category 2  
Specific Target Organ Toxicity Single Exposure - Respiratory Irritation - Category 3  
Specific Target Organ Toxicity Single Exposure - Narcotic Effects - Category 3  
Flammable Liquid - Category 4

**Symbol:**



**Signal Word:** DANGER

**Hazard Statements:**

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. COMBUSTIBLE LIQUID.

**Precautionary Statements**

**Prevention:** Avoid breathing vapours or fog. Wear eye protection, protective gloves and protective clothing. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Response:** IN CASE OF FIRE: Use water spray or mist, dry chemical, carbon dioxide or appropriate foam to extinguish.

IF SWALLOWED: Immediately obtain medical attention. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Obtain medical attention.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs obtain medical attention. Take off contaminated clothing and wash it before reuse.

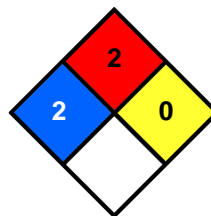
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists obtain medical attention.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents in accordance with applicable federal, provincial and local regulations.

**Other Hazards:** HMIS & NFPA

<b>HEALTH</b>	2
<b>FLAMMABILITY</b>	2
<b>PHYSICAL HAZARD</b>	0
<b>PPE</b>	X



Legend	
Extreme Danger	4
Serious	3
Moderate	2
Slight	1
Minimal	0
Chronic	*

**Percentage of ingredients with unknown toxicity:** None



### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Active Ingredient & Synonyms	CAS number	EC number	Concentration
1-Octanol; n-Octanol; n-Octan-1-ol; 1-Hydroxyoctane; n-Octyl alcohol; Capryl alcohol	111-87-5	203-917-6	99.0%

### SECTION 4. FIRST-AID MEASURES

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TAKE CONTAINER, LABEL OR PRODUCT NAME AND PEST CONTROL PRODUCT REGISTRATION NUMBER WITH YOU WHEN SEEKING MEDICAL ATTENTION.

**MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE OR DELAYED):**

Causes eye and skin irritation. Symptoms may include itching, pain, tearing, redness and swelling. May cause respiratory irritation including coughing, shortness of breath or difficulty breathing. May cause central nervous system effects with drowsiness or dizziness, muscle weakness, headache, nausea, fatigue or lack of coordination. Overexposure may lead to delirium, unconsciousness or coma. May cause chemical pneumonia, varying degrees of pulmonary injury or death if swallowed and enters airways.

**IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT:** Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, dry chemical, carbon dioxide or alcohol-resistant foam.

**Unsuitable Extinguishing Media:** None known.

**Specific Hazards:** Combustible liquid and vapour. Vapours are heavier than air and may travel to a source of ignition. This liquid floats on water and may travel to a source of ignition and spread fire.

**Hazardous Combustion Products:** Oxides of carbon.

**Special Protective Equipment and Precautions for Fire-fighters:**

Fire-fighters should wear full protective gear with self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. Keep containers cool with water fog or spray to prevent rupture from excessive heat. Dike fire-control water for later disposal. Prevent entry into waterways or sewers.



## SECTION 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### Personal Precautions:

Follow all instructions on the label. Before attempting to clean-up, refer to Section 8 personal protection. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment.

#### Emergency Procedures:

Follow all instructions on the label. Evacuate unprotected and untrained personnel from the area. The spill should be handled by qualified personnel only. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering.

#### Environmental Precautions:

Follow all instructions on the label. Contain spill. Cover drains and build dikes to prevent entry into sewer systems or bodies of water. DO NOT contaminate sources of drinking water, irrigation water or aquatic habitats.

#### Methods and materials for containment and cleaning up:

Cover spill with a non-combustible inorganic absorbent until it appears dry. Collect the spilled material using spark proof tools and clean up the area. Place waste materials in a closed container suitable for disposal.

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect with an electrically protected vacuum cleaner or by wet-brushing. Place waste materials in a closed container suitable for disposal. Dike wash water for proper disposal.

DO NOT contaminate sources of drinking water, irrigation water or aquatic habitats when cleaning equipment or disposing of waste. Observe all local, provincial and federal laws and regulations regarding disposal, spill, cleanup, removal and discharge. Refer to Section 13 for disposal considerations.

## SECTION 7. HANDLING AND STORAGE

#### Precautions for Safe Handling:

Follow all instructions on the label. Post warnings and restrict access to area. Ensure all equipment and containers are electrically grounded before beginning transfer operations. Wear appropriate protective equipment (see Section 8). Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapour. Do not eat, drink, or smoke in work areas. Remove contaminated clothing and discard or wash it before reuse. Maintain good industrial hygiene practices.

#### Conditions for Safe Storage:

Follow all instructions on the label. Store away from food and animal feed. Store locked up. Keep container tightly closed. Store in a cool, dry, well-ventilated area away from heat, flames, and incompatible materials. Post warnings and restrict access to storage area to authorized personnel. Comply with all applicable regulations. Maintain good industrial hygiene practices.

#### Incompatible Materials:

Strong oxidizing agents, acids, acid chlorides.



## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

**Occupational Exposure Limits for 1-Octanol:** Deutsche Forschungsgemeinschaft (DFG) Commission

Maximum Workplace Concentration in air (MAK)  
Time-Weighted Average (TWA for 8 hours/day): 54 mg/m<sup>3</sup>  
Maximum Permissible Peak (Ceiling for 15 min): 10 ppm

**Appropriate Engineering Controls:** FOLLOW ALL INSTRUCTIONS ON THE LABEL.

Must only be applied to potatoes in sealed storage facilities. Seal exits and apply only from the outside of the treated storage area. Apply only as a thermally-generated aerosol through forced air distribution systems. Operate recirculation fans continuously during application and for at least 24 hours after completing application.

### RESTRICTED ENTRY INTERVAL (REI):

Do not allow entry into treated areas until complete ventilation of the storage facility has occurred with aerosol particles visibly settled. In the event that it is necessary to enter the storage area during treatment, or before the required ventilation period is complete, workers must wear coveralls over a long-sleeved shirt, long pants, socks and chemical-resistant footwear, chemical-resistant gloves, goggles, and a respirator with a NIOSH-approved organic vapour-removing cartridge with a prefilter approved for pesticides or a NIOSH-approved canister approved for pesticides.

### Individual protection measures/Personal protective equipment (PPE):

FOLLOW ALL INSTRUCTIONS ON THE LABEL.

Wear coveralls over long-sleeved shirt, long pants, socks, chemical-resistant footwear, chemical-resistant gloves and protective eyewear (goggles or face shield) during handling, loading, clean-up and repair.

### Respiratory Protection: FOLLOW ALL INSTRUCTIONS ON THE LABEL.

Avoid breathing fumes or vapours. Wear a NIOSH-approved organic vapour-removing cartridge with a prefilter approved for pesticides or a NIOSH-approved canister approved for pesticides if ventilation is not adequate. In emergency situations where airborne concentrations are unknown use a NIOSH approved full-face supplied-air respirator.

### Hand Protection: FOLLOW ALL INSTRUCTIONS ON THE LABEL.

Wear chemical-resistant gloves such as nitrile rubber (thickness  $\geq 0.4$  mm). Dispose of contaminated gloves after use in accordance with applicable laws and good industrial hygiene practices. Wash hands thoroughly.

### Eye and Face Protection: FOLLOW ALL INSTRUCTIONS ON THE LABEL.

Wear protective eyewear (goggles or face shield). Contact lenses should not be worn.

### Skin and body protection: FOLLOW ALL INSTRUCTIONS ON THE LABEL.

Wear coveralls over long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse.





## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**pH:** Not available  
**Vapour Density (Air = 1):** 4.5  
**Decomposition Temperature:** Not available  
**Upper Explosive Limit:** 30% (vol in air)  
**Solubility in Water:** Insoluble (floats)  
**Vapour Pressure:** 0.08 mmHg  
**Boiling Point:** 195.1°C (383°F)  
**Odour Threshold:** 0.49 ppm  
**Kinematic Viscosity (ASTM D445):** 5.6 mm<sup>2</sup>/s @ 40°C (104°F)

**Colour; Odour:** Clear colourless; sweet/pungent  
**Flash Point (closed cup):** 81°C (178°F)  
**Autoignition Temperature:** 253°C (487°F)  
**Evaporation Rate (Ether =1):** Not available  
**Lower Explosive Limit:** 0.8% (vol in air)  
**Flammability:** Combustible liquid - Category 4  
**Melting Point/Freezing Point:** -15.5°C (5°F)  
**Density @ 25°C (77°F) (water =1):** 0.826 g/cm<sup>3</sup>  
**Partition Coefficient n-octanol/water:** Log Pow 2.54

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** Not available.

**Chemical Stability:** Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:**  
Hazardous polymerization will not occur under normal conditions of use.

**Conditions to avoid:** Keep away from heat, flames, sparks, and all other sources of ignition.

**Incompatible materials:** Strong oxidizing agents, acids, acid chlorides.

**Hazardous decomposition products:** Oxides of carbon.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on the likely routes of exposure

### HEALTH EFFECTS (IMMEDIATE OR DELAYED)

**Eyes:** Causes irritation. Symptoms may include pain, tearing, redness and swelling.

**Skin:** Causes irritation. Symptoms may include localized redness, itching and pain.

**Inhalation:** May cause respiratory tract irritation. Symptoms may include coughing, sore throat, shortness of breath and difficulty breathing. May cause central nervous system effects with drowsiness or dizziness, muscle weakness, headache, nausea, fatigue or lack of coordination. Overexposure may lead to delirium, unconsciousness or coma.

**Ingestion:** Aspiration hazard. May cause chemical pneumonia, varying degrees of pulmonary injury or death if swallowed and enters airways. May cause nausea, vomiting and diarrhea. May cause central nervous system effects as indicated above.

### ACUTE TOXICITY DATA

Active Ingredient	Inhalation Exposure	Dermal Exposure	Oral Exposure
1-Octanol (99.0% wt/wt)	LC50 (rat): >5.1 mg/L	LD50 (rat): >5000 mg/kg	LD50 (rat): 4135 mg/kg



## CHRONIC EFFECTS FROM SHORT-TERM AND LONG-TERM EXPOSURE

**Eye Irritation:** Moderately irritating when tested on rabbits (mean score 24, 48, & 72 hr: 28.1/110).

**Skin Irritation:** Moderately irritating when tested on rabbits (mean score 24, 48, & 72 hr: 4.6/8).

**Short-term Oral Toxicity (based on a published developmental toxicity study):**

Maternal LOAEL: 650 mg/kg bw/d (based on mortality)

Maternal NOAEL: < 130 mg/kg bw/d

**Short-term Dermal Toxicity:**

LOAEL (Rat, Sprague-Dawley): 43 mg/kg bw/d

NOAEL (Rat, Sprague-Dawley): Not established

**Short-term Inhalation Toxicity (90 days) (based on a published developmental toxicity study):**

Maternal NOAEL: 400 mg/m<sup>3</sup>/d

**Prenatal Developmental Toxicity:**

Maternal NOAEL (gavage): < 130 mg/kg bw/day, and LOAEL: 650 mg/kg bw/day;

Maternal NOAEL (inhalation): 400 mg/m<sup>3</sup>;

Maternal NOAEL (oral): 153 mg/kg/day, and LOAEL: 407 mg/kg/day

**Skin Sensitization:** Not a predicted skin sensitizer (QSAR).

**Respiratory Sensitization:** Insufficient data available.

**Germ Cell Mutagenicity:**

Salmonella assays: Negative for genetic mutations.

Mammalian cells (mouse lymphoma) (in vitro): Negative for genetic mutations.

Mammalian Erythrocyte Micronucleus Test (in vivo): No genotoxic response.

**Teratogenicity:** No signs of developmental toxicity were observed in 3 developmental studies in the rat.

**Reproductive Effects:** No signs of fetal toxicity were observed in 3 developmental studies in the rat.

**Carcinogenicity:** Available evidence suggests that 1-octanol is not carcinogenic.

**Toxicologically Synergistic Materials:** Not available.

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity: Harmful to aquatic life with long lasting effects.**

LC<sub>50</sub> - 96 hours (Fathead Minnow): 13.5 mg/L

LC<sub>50</sub> - 96 hours (Rainbow Trout): 18.0 mg/L

EC<sub>50</sub> - 24 hours (Daphnia magna): 47 mg/L

**Persistence and degradability:** OECD 310 - aerobic - 28 day exposure time: 92% readily biodegradable

**Bioaccumulative potential:** Does not bioaccumulate.

**Mobility in Soil:** Not available.

**Results of PBT and vPvB assessment:** Not available.

**Other adverse effects:** Not available.





## SECTION 13. DISPOSAL CONSIDERATIONS

### Information on Safe Handling for Disposal:

DISPOSE OF RESIDUAL PRODUCT AND EMPTY CONTAINERS IN ACCORDANCE WITH LABEL INSTRUCTIONS. Refer to Section 8 personal protection.

DO NOT contaminate sewer systems, bodies of water, sources of drinking water, irrigation water or aquatic habitats when disposing of waste.

COMBUSTIBLE LIQUID: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Empty containers may retain product residue (liquid and/or vapour) and can be dangerous.

### Methods of Disposal, Including Contaminated Packaging:

**1,4Zap Technical** Do not allow waste to enter sewers or surface waters. Canadian manufacturers should dispose of unwanted active ingredients and containers in accordance with municipal or provincial regulations. For additional details contact the provincial regulatory agency.

- 1,4Zap**
- Do not allow waste to enter sewers or surface waters.
  - Empty all the liquid from the plastic container into the applicator.
  - Follow provincial instructions for any required additional cleaning of the container prior to disposal.
  - Make the empty container unsuitable for further use.
  - Dispose of residual product and empty containers in accordance with provincial requirements.
  - For information on disposal of unused or unwanted product, contact the manufacturer or the provincial regulatory agency.

### Container Disposal:

DISPOSE OF ONLY IN ACCORDANCE WITH LOCAL, PROVINCIAL/STATE, AND FEDERAL REGULATIONS.

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, OR GRIND CONTAINERS. DO NOT EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

## SECTION 14. TRANSPORT INFORMATION

**Canada - Transportation of Dangerous Goods (TDG):** Not regulated.

UN Number:	Not applicable
UN Proper Shipping Name:	Not applicable
Transport Hazard Class:	Not applicable
Packing Group (PG):	Not applicable
Marine Pollutant:	Not applicable

**US Department of Transportation (DOT):** NA 1993; Combustible Liquid, N.O.S. (Octanol); PG III  
Applicable to bulk quantities only (> 450 L or 119 gal).

**International Air Transport Association (IATA):** Not regulated

**International Maritime Dangerous Goods (IMDG):** Not regulated



## SECTION 15. REGULATORY INFORMATION

### United States Federal Regulations

**FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT (FIFRA):** EPA Reg. No. 67727-7

READ THE LABEL AUTHORIZED BY THE EPA PRIOR TO USING OR HANDLING.

1,4Zap® is a pesticide product registered by the United States Environmental Protection Agency (EPA) and subject to certain labelling requirements under federal pesticide law. These differ from the classification criteria and hazard information required for safety data sheets (SDS) and labels by OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS 2012).

**OSHA:** 29 CFR Section 1910.1200(b)(5) does not require labelling of any pesticide as defined in the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), when subject to the labelling requirements of that Act and labelling regulations issued under that Act by the EPA.

The active ingredient 1-Octanol is considered hazardous by OSHA criteria (see classification on page 3). This SDS has been prepared in accordance with the OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS 2012) and contains all of the information required.

<b>TSCA Inventory:</b>	Listed
<b>CERCLA -Hazardous Substances – Reportable Quantities:</b>	Not listed
<b>SARA Title III, Sections 311/312 - Hazard Categories:</b>	Fire; Immediate Health
<b>SARA TITLE III, Section 313:</b>	Not reportable
<b>California Proposition 65:</b>	Not listed

### Canada Federal Regulations

**PEST CONTROL PRODUCTS ACT (PCPA):** 1,4Zap® Technical Reg. No. 33491; 1,4Zap® Reg. No. 33492

READ THE LABEL AUTHORIZED UNDER THE PCPA PRIOR TO USING OR HANDLING.

1,4Zap® Technical and 1,4Zap® are pest control products registered by Health Canada Pest Management Regulatory Agency (PMRA) and are subject to certain labelling requirements under the PCPA. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS) and labels under the Hazardous Products Act (HPA) and by the Hazardous Products Regulations (HPR)/WHMIS 2015.

**WHMIS 2015:** Part II of the HPA respecting hazard classification, supplier SDS and labelling requirements, does not apply to the sale or importation of any pest control product as defined in subsection 2(1) of the PCPA, when subject to the labelling requirements of that Act and labelling regulations issued under that Act by the PMRA.

The active ingredient 1-Octanol is considered hazardous by WHMIS 2015 criteria (see classification on page 3). This SDS has been prepared in accordance with the HPR and contains all of the information required.

## 16. OTHER INFORMATION

**Date of preparation:** 1 Jun 2020

**Disclaimer:**

The information contained on the Safety Data Sheet has been compiled from data considered accurate. These data are believed to be reliable, however, it must be pointed out that values for certain properties are known to vary from source to source. The One Four Group disclaims any warranty expressed or implied as well as any liability for any injury or loss arising from the use of this information or the materials described. These data are not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for your application. These data relate only to the specific material designated and not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize themselves with all applicable regulations. Users assume all risks of their use, handling and disposal of the product, or from the publication, or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other manner.