

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Nelson Tree & Log Marking Paint

**Product Code:** 3242 AF1A Blue, 3244A AF1H Red, 3145 AF1C LT Green, 3246 AF1L Black, 3247 AF1I White, 3141 LF AF1E Yellow, 3143 LF AF1F Orange, 6242 AF1B Dark Blue, 6245 AF1D Dark Green, 6249 AF1Y Gray, 6248 AF1K LT Purple, 3142FL AF1N Blue- Glo, 3144FL AF1R Orange-Glo, 3145FL AF1O Green-Glo, 3148FL AF1Q Pink-Glo, 3149FL AF1P Red-Glo

**Synonyms:** AeroSpot

### 1.2. Intended Use of the Product

Paint

### 1.3. Name, Address, and Telephone of the Responsible Party

**Manufacturer**

The Nelson Paint Company of Canada

48 Industrial Park Crescent

Sault Ste Marie Ontario, Canada

P6B 5P2

705-759-4680

### 1.4. Emergency Telephone Number

**Emergency Number :** In US and Canada CHEMTEL: 1-800-255-3924 or Canutec 613-996-6666

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

**GHS-CA Classification**

This material is considered hazardous under Canadian WHMIS 2015 Regulations.

Flam. Aerosol 1	H222
Press. Gas (Comp.)	H280
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Carc. 2	H351
Repr. 2	H361
STOT SE 2	H371
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Acute 2	H401
Aquatic Chronic 2	H411

Full text of hazard classes and H-statements : see section 16

### 2.2. Label Elements

**GHS-CA Labeling**

**Hazard Pictograms (GHS-CA)**



**Signal Word (GHS-CA)**

: Danger

**Hazard Statements (GHS-CA)**

- : H222 - Extremely flammable aerosol.
- : H280 - Contains gas under pressure; may explode if heated.
- : H304 - May be fatal if swallowed and enters airways.
- : H315 - Causes skin irritation.
- : H317 - May cause an allergic skin reaction.
- : H319 - Causes serious eye irritation.
- : H336 - May cause drowsiness or dizziness.

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

- Precautionary Statements (GHS-CA) :**
- H351 - Suspected of causing cancer.
  - H361 - Suspected of damaging fertility or the unborn child.
  - H371 - May cause damage to organs.
  - H401 - Toxic to aquatic life.
  - H411 - Toxic to aquatic life with long lasting effects.
  - P201 - Obtain special instructions before use.
  - P202 - Do not handle until all safety precautions have been read and understood.
  - P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P211 - Do not spray on an open flame or other ignition source.
  - P251 - Do not pierce or burn, even after use.
  - P260 - Do not breathe gas, mist, spray.
  - P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
  - P270 - Do not eat, drink or smoke when using this product.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P272 - Contaminated work clothing should not be allowed out of the workplace.
  - P273 - Avoid release to the environment.
  - P280 - Wear protective gloves, protective clothing, and eye protection.
  - P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
  - P302+P352 - IF ON SKIN: Wash with plenty of water.
  - P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P308+P311 - IF exposed or concerned: Call a POISON CENTER or doctor.
  - P308+P313 - If exposed or concerned: Get medical advice/attention.
  - P312 - Call a POISON CENTER or doctor if you feel unwell.
  - P321 - Specific treatment (see section 4 on this SDS).
  - P331 - Do NOT induce vomiting.
  - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
  - P337+P313 - If eye irritation persists: Get medical advice/attention.
  - P362+P364 - Take off contaminated clothing and wash it before reuse.
  - P391 - Collect spillage.
  - P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
  - P405 - Store locked up.
  - P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
  - P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Contact with gas escaping the container can cause frostbite.

### 2.4. Unknown Acute Toxicity (GHS-CA) Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Petroleum distillates, hydrotreated light	(CAS-No.) 64742-47-8	21.53 - 30.70	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Limestone	(CAS-No.) 1317-65-3	8.83 - 14.95	Not classified
Petroleum gases, liquefied, sweetened	(CAS-No.) 68476-86-8	12	Flam. Gas 1, H220

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

Propane	(CAS-No.) 74-98-6	11.71	Press. Gas (Comp.), H280 Simple Asphy Flam. Gas 1, H220 Press. Gas (Liq.), H280
Methyl alcohol	(CAS-No.) 67-56-1	7.60 - 9.14	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapor), H331 STOT SE 1, H370
Titanium dioxide $\emptyset$	(CAS-No.) 13463-67-7	<= 8.64	Carc. 2, H351
Carbon black $\Delta$	(CAS-No.) 1333-86-4	0.29 - 0.99	Carc. 2, H351 Comb. Dust
Silica, amorphous	(CAS-No.) 7631-86-9	<= 0.97	Not classified
Xanthylum, 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethyl-, chloride $\S$	(CAS-No.) 3068-39-1	0.13 - 0.64	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation:dust,mist), H330 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Butanone, oxime	(CAS-No.) 96-29-7	0.10 - 0.40	Flam. Liq. 4, H227 Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 3, H402
Naphtha, petroleum, hydrotreated heavy	(CAS-No.) 64742-48-9	0.06 - 0.37	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Isobutane	(CAS-No.) 75-28-5	0.29	Simple Asphy Flam. Gas 1, H220 Press. Gas (Liq.), H280
Zirconium ethyl hexoate	(CAS-No.) 22464-99-9	0.01 - 0.12	Repr. 2, H361
Copper $\gg$	(CAS-No.) 7440-50-8	0.02 - 0.06	Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Comb. Dust
Propylene glycol monomethyl ether	(CAS-No.) 107-98-2	0.003 - 0.03	Flam. Liq. 3, H226 STOT SE 3, H336
Phosphoric acid	(CAS-No.) 7664-38-2	< 0.0002	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402

Full text of H-phrases: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

Components accompanied by a symbol in this document are not present in all color variations of the product. The health and safety information associated with these components are only applicable to the color variations specified in the legend below.

$\Delta$  Carbon black (CAS-No.) 1333-86-4 is only present in the Gray, Black variations of the product (Product Codes 6249 AF1Y Gray, 3246 AF1L Black).

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

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§ Xanthylum, 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethyl-, chloride (CAS-No.) 3068-39-1 is only present in the Orange-Glo, Green-Glo, Pink-Glo, Red-Glo variations of the product (Product Codes 3144FL AF1R Orange-Glo, 3145FL AF1O Green-Glo, 3148FL AF1Q Pink-Glo, 3149FL AF1P Red-Glo).

» Copper (CAS-No.) 7440-50-8 is only present in the Lt Green, Dark Green, Green-Glo, Blue variations of the product (Product Codes 3145 AF1C LT Green, 6245 AF1D Dark Green, 3145FL AF1O Green-Glo, 3242 AF1A Blue).

∅ Titanium dioxide (CAS-No.) 13463-67-7 is only present in the White, Yellow, Lt Purple, Gray, Orange, Blue, Dark Blue, Lt Green, Dark Green variations of the product (Product Codes 3247 AF1I White, 3141 LF AF1E Yellow, 6248 AF1K LT Purple, 6249 AF1Y Gray, 3143 LF AF1F Orange, 3242 AF1A Blue, 6242 AF1B Dark Blue, 3145 AF1C LT Green, 6245 AF1D Dark Green).

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists. If frostbite or freezing occurs from exposure to gas occurs: For brief contact with a small amount: Rewarm with body heat. Get immediate medical advice/attention. For extensive contact or a large amount: Immediately call a poison center/doctor and follow their advice. Specific treatment is urgent, incorrect first-aid practices will aggravate the injury. Protect affected area with a loose cover until proper medical treatment is received.

**Eye Contact:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** Causes serious eye irritation. Causes skin irritation. Skin sensitization. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways. May cause damage to organs (optic nerve, central nervous system). Contact with gas escaping the container can cause frostbite. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

**Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

**Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction. Contact with gas escaping the container can cause frostbite and freeze burns.

**Eye Contact:** Redness, pain, swelling, itching, burning, tearing, and blurred vision. Contact with gas escaping the container can cause frostbite, freeze burns, and permanent eye damage.

**Ingestion:** Not considered a potential route of exposure, but contact with gas escaping the container can cause freeze burns and frostbite. Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.

**Chronic Symptoms:** Suspected of damaging fertility or the unborn child. Suspected of causing cancer.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry chemical, or sand.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Flammable aerosol.

**Explosion Hazard:** Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Container may explode in heat of fire.

**Reactivity:** Reacts violently with strong oxidizers. Increased risk of fire or explosion.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Fight fire remotely due to the risk of explosion. DO NOT fight fire when fire reaches containers. Evacuate area.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

# Nelson Aerosol Tree & Log Marking Paint

Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Ammonia.

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

## Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe gas. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Evacuate unnecessary personnel, isolate, and ventilate area. Eliminate ignition sources.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Stop leak, if possible without risk. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Stop the source of the release, if safe to do so. Consider the use of water spray to disperse vapors. Isolate the area until gas has dispersed. Ventilate and gas test area before entering. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Pressurized container: may burst if heated. Ruptured cylinders may rocket. Do not pierce or burn, even after use. Do not pressurize, cut, or weld containers.

**Precautions for Safe Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe gas. Do not get in eyes, on skin, or on clothing. Do not spray on an open flame or other ignition source. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

**Storage Conditions:** Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Keep only in the original container in a cool, well ventilated place away from ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Paint

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Propane (74-98-6)		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>USA IDLH</b>	US IDLH (ppm)	2100 ppm (10% LEL)
<b>Alberta</b>	OEL TWA (ppm)	1000 ppm
<b>British Columbia</b>	OEL TWA (ppm)	1000 ppm
<b>Nunavut</b>	OEL STEL (ppm)	1250 ppm
<b>Nunavut</b>	OEL TWA (ppm)	1000 ppm
<b>Northwest Territories</b>	OEL STEL (ppm)	1250 ppm
<b>Northwest Territories</b>	OEL TWA (ppm)	1000 ppm
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (ppm)	1000 ppm
<b>Saskatchewan</b>	OEL STEL (ppm)	1250 ppm
<b>Saskatchewan</b>	OEL TWA (ppm)	1000 ppm
<b>Isobutane (75-28-5)</b>		
<b>USA ACGIH</b>	ACGIH STEL (ppm)	1000 ppm (explosion hazard)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (ppm)	800 ppm
<b>Manitoba</b>	OEL STEL (ppm)	1000 ppm (explosion hazard)
<b>Newfoundland &amp; Labrador</b>	OEL STEL (ppm)	1000 ppm (explosion hazard)
<b>Nova Scotia</b>	OEL STEL (ppm)	1000 ppm (explosion hazard)
<b>Nunavut</b>	OEL STEL (ppm)	1250 ppm
<b>Nunavut</b>	OEL TWA (ppm)	1000 ppm
<b>Northwest Territories</b>	OEL STEL (ppm)	1250 ppm
<b>Northwest Territories</b>	OEL TWA (ppm)	1000 ppm
<b>Ontario</b>	OEL STEL (ppm)	1000 ppm
<b>Ontario</b>	OEL TWA (ppm)	800 ppm (in force until January 1, 2018)
<b>Prince Edward Island</b>	OEL STEL (ppm)	1000 ppm (explosion hazard)
<b>Saskatchewan</b>	OEL STEL (ppm)	1250 ppm
<b>Saskatchewan</b>	OEL TWA (ppm)	1000 ppm
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>		
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup> (application restricted to conditions in which there are negligible aerosol exposures)
<b>Limestone (1317-65-3)</b>		
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> (total dust)
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 3 mg/m <sup>3</sup> (respirable fraction)
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (particulate matter containing no Asbestos and <1% Crystalline silica)
<b>Nunavut</b>	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (Limestone, containing no Asbestos and <1% Crystalline silica-total dust)
<b>Saskatchewan</b>	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>

# Nelson Aerosol Tree & Log Marking Paint

Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	30 mppcf 10 mg/m <sup>3</sup>
<b>Methyl alcohol (67-56-1)</b>		
<b>USA ACGIH</b>	ACGIH TWA (ppm)	200 ppm
<b>USA ACGIH</b>	ACGIH STEL (ppm)	250 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
<b>USA ACGIH</b>	Biological Exposure Indices (BEI)	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific)
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (ppm)	200 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (ppm)	200 ppm
<b>USA NIOSH</b>	NIOSH REL (STEL) (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (STEL) (ppm)	250 ppm
<b>USA IDLH</b>	US IDLH (ppm)	6000 ppm
<b>Alberta</b>	OEL STEL (mg/m <sup>3</sup> )	328 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL (ppm)	250 ppm
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	262 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA (ppm)	200 ppm
<b>British Columbia</b>	OEL STEL (ppm)	250 ppm
<b>British Columbia</b>	OEL TWA (ppm)	200 ppm
<b>Manitoba</b>	OEL STEL (ppm)	250 ppm
<b>Manitoba</b>	OEL TWA (ppm)	200 ppm
<b>New Brunswick</b>	OEL STEL (mg/m <sup>3</sup> )	328 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL (ppm)	250 ppm
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	262 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA (ppm)	200 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL (ppm)	250 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA (ppm)	200 ppm
<b>Nova Scotia</b>	OEL STEL (ppm)	250 ppm
<b>Nova Scotia</b>	OEL TWA (ppm)	200 ppm
<b>Nunavut</b>	OEL STEL (ppm)	250 ppm
<b>Nunavut</b>	OEL TWA (ppm)	200 ppm
<b>Northwest Territories</b>	OEL STEL (ppm)	250 ppm
<b>Northwest Territories</b>	OEL TWA (ppm)	200 ppm
<b>Ontario</b>	OEL STEL (ppm)	250 ppm
<b>Ontario</b>	OEL TWA (ppm)	200 ppm
<b>Prince Edward Island</b>	OEL STEL (ppm)	250 ppm
<b>Prince Edward Island</b>	OEL TWA (ppm)	200 ppm
<b>Québec</b>	VECD (mg/m <sup>3</sup> )	328 mg/m <sup>3</sup>
<b>Québec</b>	VECD (ppm)	250 ppm
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	262 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (ppm)	200 ppm
<b>Saskatchewan</b>	OEL STEL (ppm)	250 ppm
<b>Saskatchewan</b>	OEL TWA (ppm)	200 ppm
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	310 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL (ppm)	250 ppm
<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA (ppm)	200 ppm
<b>Carbon black (1333-86-4)Δ</b>		

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

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<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable particulate matter)
<b>USA ACGIH</b>	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup> (Carbon black in presence of Polycyclic aromatic hydrocarbons)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	1750 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable)
<b>Manitoba</b>	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable particulate matter)
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable particulate matter)
<b>Nova Scotia</b>	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable particulate matter)
<b>Nunavut</b>	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>Ontario</b>	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable)
<b>Prince Edward Island</b>	OEL TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (inhalable particulate matter)
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	7 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	3.5 mg/m <sup>3</sup>
<b>Copper (7440-50-8)»</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume)
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (dust and mist) 0.1 mg/m <sup>3</sup> (fume)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup> (dust, fume and mist)
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (dust and mist) 0.2 mg/m <sup>3</sup> (fume)
<b>Manitoba</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume)
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>Newfoundland &amp; Labrador</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume)
<b>Nova Scotia</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume)
<b>Nunavut</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (dust and mist) 0.6 mg/m <sup>3</sup> (fume)
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>Northwest Territories</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (dust and mist) 0.6 mg/m <sup>3</sup> (fume)
<b>Northwest Territories</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>Ontario</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>Prince Edward Island</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume)



# Nelson Aerosol Tree & Log Marking Paint

Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>Saskatchewan</b>	OEL STEL (mg/m <sup>3</sup> )	0.6 mg/m <sup>3</sup> (fume) 3 mg/m <sup>3</sup> (dust and mist)
<b>Saskatchewan</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 2 mg/m <sup>3</sup> (dust and mist)
<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dust and mist)
<b>Propylene glycol monomethyl ether (107-98-2)</b>		
<b>USA ACGIH</b>	ACGIH TWA (ppm)	50 ppm
<b>USA ACGIH</b>	ACGIH STEL (ppm)	100 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	360 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (ppm)	100 ppm
<b>USA NIOSH</b>	NIOSH REL (STEL) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (STEL) (ppm)	150 ppm
<b>Alberta</b>	OEL STEL (mg/m <sup>3</sup> )	553 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL (ppm)	150 ppm
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	369 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA (ppm)	100 ppm
<b>British Columbia</b>	OEL STEL (ppm)	75 ppm
<b>British Columbia</b>	OEL TWA (ppm)	50 ppm
<b>Manitoba</b>	OEL STEL (ppm)	100 ppm
<b>Manitoba</b>	OEL TWA (ppm)	50 ppm
<b>New Brunswick</b>	OEL STEL (mg/m <sup>3</sup> )	553 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL (ppm)	150 ppm
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	369 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA (ppm)	100 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL (ppm)	100 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA (ppm)	50 ppm
<b>Nova Scotia</b>	OEL STEL (ppm)	100 ppm
<b>Nova Scotia</b>	OEL TWA (ppm)	50 ppm
<b>Nunavut</b>	OEL STEL (ppm)	150 ppm
<b>Nunavut</b>	OEL TWA (ppm)	100 ppm
<b>Northwest Territories</b>	OEL STEL (ppm)	150 ppm
<b>Northwest Territories</b>	OEL TWA (ppm)	100 ppm
<b>Ontario</b>	OEL STEL (ppm)	100 ppm
<b>Ontario</b>	OEL TWA (ppm)	50 ppm
<b>Prince Edward Island</b>	OEL STEL (ppm)	100 ppm
<b>Prince Edward Island</b>	OEL TWA (ppm)	50 ppm
<b>Québec</b>	VECD (mg/m <sup>3</sup> )	553 mg/m <sup>3</sup>
<b>Québec</b>	VECD (ppm)	150 ppm
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	369 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (ppm)	100 ppm
<b>Saskatchewan</b>	OEL STEL (ppm)	150 ppm
<b>Saskatchewan</b>	OEL TWA (ppm)	100 ppm
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	450 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL (ppm)	150 ppm
<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	360 mg/m <sup>3</sup>

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>Yukon</b>	OEL TWA (ppm)	100 ppm
<b>2-Butanone, oxime (96-29-7)</b>		
<b>USA AIHA</b>	WEEL TWA (ppm)	10 ppm
<b>USA AIHA</b>	AIHA chemical category	Skin sensitizer
<b>Phosphoric acid (7664-38-2)</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>USA ACGIH</b>	ACGIH STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (STEL) (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Manitoba</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Manitoba</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Nova Scotia</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Nova Scotia</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Ontario</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Ontario</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Prince Edward Island</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Prince Edward Island</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Québec</b>	VECD (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
<b>Titanium dioxide (13463-67-7)ø</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	5000 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust) 3 mg/m <sup>3</sup> (respirable fraction)
<b>Manitoba</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Nova Scotia</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

# Nelson Aerosol Tree & Log Marking Paint

Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

Northwest Territories	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Ontario	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Québec	VEMP (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (containing no Asbestos and <1% Crystalline silica-total dust)
Saskatchewan	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Yukon	OEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	30 mppcf 10 mg/m <sup>3</sup>
<b>Silica, amorphous (7631-86-9)</b>		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	20 mppcf (80mg/m <sup>3</sup> /%SiO <sub>2</sub> )
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	3000 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	300 particle/mL (as measured by Konimeter instrumentation) 20 mppcf (as measured by Impinger instrumentation) 2 mg/m <sup>3</sup> (respirable mass)

## 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Use explosion-proof equipment. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing.

**Hand Protection:** Wear protective gloves. If material is cold, wear thermally resistant protective gloves.

**Eye and Face Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Thermal Hazard Protection:** Wear thermally resistant protective clothing.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Gas (Liquid Aerosol)
Appearance	: Aerosol (Various Colors)
Odor	: Solvent Odor
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Slower than ether (n-Butyl Acetate = 1)
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 150 - 205 °C (302 - 401 °F)
Flash Point	: 24 °C (75.2 °F)(Closed Cup)
Auto-ignition Temperature	: Not available

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>Decomposition Temperature</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Lower Flammable Limit</b>	: 1.9 % by volume
<b>Upper Flammable Limit</b>	: 9.5 % by volume
<b>Vapor Pressure</b>	: Not available
<b>Relative Vapor Density at 20°C</b>	: > 1 (air = 1)
<b>Relative Density</b>	: Not available
<b>Specific Gravity</b>	: 0.98 - 1.1 @ 20 °C (68 °C)
<b>Solubility</b>	: Insoluble in water
<b>Partition Coefficient: N-Octanol/Water</b>	: Not available
<b>Viscosity</b>	: Not available
<b>Explosive Properties</b>	: Contains gas under pressure; may explode if heated

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Reacts violently with strong oxidizers. Increased risk of fire or explosion.
- 10.2. Chemical Stability:** Contains gas under pressure; may explode if heated. Flammable aerosol. Pressurized container: may burst if heated.
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, open flames, sources of ignition and incompatible materials. Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** None known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects - Product

- Acute Toxicity (Oral):** Not classified
- Acute Toxicity (Dermal):** Not classified
- Acute Toxicity (Inhalation):** Not classified
- LD50 and LC50 Data:** Not available
- Skin Corrosion/Irritation:** Causes skin irritation.
- Eye Damage/Irritation:** Causes serious eye irritation.
- Respiratory or Skin Sensitization:** May cause an allergic skin reaction.
- Germ Cell Mutagenicity:** Not classified
- Carcinogenicity:** Suspected of causing cancer.
- Specific Target Organ Toxicity (Repeated Exposure):** Not classified
- Reproductive Toxicity:** Suspected of damaging fertility or the unborn child.
- Specific Target Organ Toxicity (Repeated Exposure):** May cause damage to organs. May cause drowsiness or dizziness.
- Aspiration Hazard:** Not classified
- Symptoms/Injuries After Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.
- Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction. Contact with gas escaping the container can cause frostbite and freeze burns.
- Symptoms/Injuries After Eye Contact:** Redness, pain, swelling, itching, burning, tearing, and blurred vision. Contact with gas escaping the container can cause frostbite, freeze burns, and permanent eye damage.
- Symptoms/Injuries After Ingestion:** Not considered a potential route of exposure, but contact with gas escaping the container can cause freeze burns and frostbite. Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.
- Chronic Symptoms:** Suspected of damaging fertility or the unborn child. Suspected of causing cancer.

### 11.2. Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

<b>Propane (74-98-6)</b>	
<b>LC50 Inhalation Rat</b>	> 800000 ppm (Exposure time: 15 min)
<b>Isobutane (75-28-5)</b>	
<b>LC50 Inhalation Rat</b>	658 mg/l/4h
<b>LC50 Inhalation Rat</b>	11000 ppm

# Nelson Aerosol Tree & Log Marking Paint

Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5.3 mg/l/4h
<b>Methyl alcohol (67-56-1)</b>	
LD50 Dermal Rabbit	15840 mg/kg
LC50 Inhalation Rat	3 mg/l/4h
LC50 Inhalation Rat	22500 ppm (Exposure time: 8 h)
ATE CA (oral)	100.00 mg/kg body weight
ATE CA (dermal)	300.00 mg/kg body weight
<b>Xanthylum, 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethyl-, chloride (3068-39-1)§</b>	
LD50 Oral Rat	449 mg/kg
LC50 Inhalation Rat	> 0.05 mg/l/4h (0.05 - 0.5 mg/L)
<b>Carbon black (1333-86-4)Δ</b>	
LD50 Oral Rat	> 8000 mg/kg
<b>Propylene glycol monomethyl ether (107-98-2)</b>	
LD50 Oral Rat	5000 mg/kg
LD50 Dermal Rabbit	13 g/kg
LC50 Inhalation Rat	27.3 mg/l/4h
LC50 Inhalation Rat	> 7559 ppm (Exposure time: 6 h)
<b>Naphtha, petroleum, hydrotreated heavy (64742-48-9)</b>	
LD50 Oral Rat	> 6000 mg/kg
LD50 Dermal Rabbit	> 3160 mg/kg
LC50 Inhalation Rat	> 8500 mg/m <sup>3</sup> (Exposure time: 4 h)
<b>2-Butanone, oxime (96-29-7)</b>	
LD50 Oral Rat	2326 mg/kg (Species: Sprague-Dawley)
LD50 Dermal Rabbit	> 1000 mg/kg
LC50 Inhalation Rat	> 4800 mg/m <sup>3</sup> (Exposure time: 4 h)
<b>Phosphoric acid (7664-38-2)</b>	
LD50 Oral Rat	1530 mg/kg
LD50 Dermal Rabbit	2740 mg/kg
LC50 Inhalation Rat	> 850 mg/m <sup>3</sup> (Exposure time: 1 h)
<b>Titanium dioxide (13463-67-7)ø</b>	
LD50 Oral Rat	> 10000 mg/kg
<b>Silica, amorphous (7631-86-9)</b>	
LD50 Oral Rat	7900 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
<b>Carbon black (1333-86-4)Δ</b>	
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Titanium dioxide (13463-67-7)ø</b>	
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Silica, amorphous (7631-86-9)</b>	
IARC Group	3

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General:** Toxic to aquatic life with long lasting effects.

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LC50 Fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 Fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>Methyl alcohol (67-56-1)</b>	
LC50 Fish 1	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	1340 mg/l
LC50 Fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>Xanthylum, 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethyl-, chloride (3068-39-1)§</b>	
LC50 Fish 1	6.85 mg/l (Exposure time: 96 h - Species: Leuciscus idus)
EC50 Daphnia 1	0.85 - 1.12 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (algae)	0.023 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
NOEC chronic algae	0.014 mg/l (Species: Pseudokirchneriella subcapitata)
<b>Carbon black (1333-86-4)Δ</b>	
EC50 Daphnia 1	5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)
<b>Copper (7440-50-8)»</b>	
LC50 Fish 1	0.0068 - 0.0156 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	0.03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 Other Aquatic Organisms 1	0.0426 (0.0426 - 0.0535) mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])
LC50 Fish 2	< 0.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	0.031 (0.031 - 0.054) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])
<b>Propylene glycol monomethyl ether (107-98-2)</b>	
LC50 Fish 1	20.8 g/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	23300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Naphtha, petroleum, hydrotreated heavy (64742-48-9)</b>	
LC50 Fish 1	2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
<b>2-Butanone, oxime (96-29-7)</b>	
LC50 Fish 1	777 - 914 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	750 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	760 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])
ErC50 (algae)	16 mg/l
NOEC chronic algae	2.6 mg/l
<b>Phosphoric acid (7664-38-2)</b>	
LC50 Fish 1	75.1 mg/l
<b>Silica, amorphous (7631-86-9)</b>	
LC50 Fish 1	5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	7600 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)
<b>12.2. Persistence and Degradability</b>	
<b>Nelson Tree &amp; Log Marking Paint</b>	
Persistence and Degradability	May cause long-term adverse effects in the environment.
<b>Copper (7440-50-8)»</b>	
Persistence and Degradability	Not readily biodegradable.
<b>12.3. Bioaccumulative Potential</b>	
<b>Nelson Tree &amp; Log Marking Paint</b>	
Bioaccumulative Potential	Not established.
<b>Petroleum gases, liquefied, sweetened (68476-86-8)</b>	
Log Pow	<= 2.8
<b>Propane (74-98-6)</b>	
Log Pow	2.3

# Nelson Aerosol Tree & Log Marking Paint

Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

<b>Isobutane (75-28-5)</b>	
<b>BCF Fish 1</b>	1.57 - 1.97
<b>Log Pow</b>	2.88 (at 20 °C)
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
<b>BCF Fish 1</b>	61 - 159
<b>Methyl alcohol (67-56-1)</b>	
<b>BCF Fish 1</b>	< 10
<b>Log Pow</b>	-0.77
<b>Propylene glycol monomethyl ether (107-98-2)</b>	
<b>BCF Fish 1</b>	< 2
<b>Log Pow</b>	-0.437
<b>2-Butanone, oxime (96-29-7)</b>	
<b>BCF Fish 1</b>	0.5 - 5.8
<b>Log Pow</b>	0.65 (at 25 °C)
<b>Silica, amorphous (7631-86-9)</b>	
<b>BCF Fish 1</b>	(no bioaccumulation expected)

**12.4. Mobility in Soil** Not available

**12.5. Other Adverse Effects**

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations. Do not pierce or burn, even after use.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions. Empty gas cylinders should be returned to the vendor for recycling or refilling. Do not puncture or incinerate container.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**14.1. In Accordance with DOT**

**Proper Shipping Name** : AEROSOLS  
**Hazard Class** : 2.1  
**Identification Number** : UN1950  
**Label Codes** : 2.1  
**Marine Pollutant** : Marine pollutant  
**ERG Number** : 126



**14.2. In Accordance with IMDG**

**Proper Shipping Name** : AEROSOLS  
**Hazard Class** : 2.1  
**Identification Number** : UN1950  
**Label Codes** : 2.1  
**EmS-No. (Fire)** : F-D  
**EmS-No. (Spillage)** : S-U



**14.3. In Accordance with IATA**

**Proper Shipping Name** : AEROSOLS, FLAMMABLE  
**Hazard Class** : 2.1  
**Identification Number** : UN1950  
**Label Codes** : 2.1  
**ERG Code (IATA)** : 10L



# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

### 14.4. In Accordance with TDG

This product is regulated as UN1950, AEROSOLS, Class 2.1. However, as supplied, can be shipped under Limited Quantity Exemption within Canada. Under the TDG, refer to Section 1.17 for additional exemption requirements, if shipping under this exemption.

**Proper Shipping Name** : AEROSOLS  
**Hazard Class** : 2.1  
**Identification Number** : UN1950  
**Label Codes** : 2.1  
**Marine Pollutant (TDG)** : Marine pollutant



## SECTION 15: REGULATORY INFORMATION

### 15.3. Canadian Regulations

<b>Petroleum gases, liquefied, sweetened (68476-86-8)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Propane (74-98-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Isobutane (75-28-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Limestone (1317-65-3)</b>
Listed on the Canadian NDSL (Non-Domestic Substances List)
<b>Methyl alcohol (67-56-1)</b>
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
<b>Xanthylum, 3,6-bis(ethylamino)-9-[2-(methoxycarbonyl)phenyl]-2,7-dimethyl-, chloride (3068-39-1)§</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Carbon black (1333-86-4)Δ</b>
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
<b>Copper (7440-50-8)»</b>
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
<b>Propylene glycol monomethyl ether (107-98-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
<b>Naphtha, petroleum, hydrotreated heavy (64742-48-9)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>2-Butanone, oxime (96-29-7)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Zirconium ethyl hexoate (22464-99-9)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Phosphoric acid (7664-38-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
<b>Titanium dioxide (13463-67-7)ø</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Silica, amorphous (7631-86-9)</b>
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)



# Nelson Aerosol Tree & Log Marking Paint

Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 09/06/2018  
**Other Information** : This document has been prepared in accordance with the SDS requirements of Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

### GHS Full Text Phrases:

Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:vapor)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 2	Carcinogenicity Category 2
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Aerosol 1	Flammable aerosol Category 1
Flam. Gas 1	Flammable gases Category 1
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Met. Corr. 1	Corrosive to metals Category 1
Press. Gas (Comp.)	Gases under pressure Compressed gas
Press. Gas (Liq.)	Gases under pressure Liquefied gas
Repr. 2	Reproductive toxicity Category 2
Simple Asphy	Simple Asphyxiant
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 2	Specific target organ toxicity (single exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways

# Nelson Aerosol Tree & Log Marking Paint

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).

H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H371	May cause damage to organs
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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CA GHS SDS