

SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name: ALL-WEATHER® QUIK SHOT® Spray Paint Livestock Marker –61116, 61190, 61191, 61192, 61193

Product Code: 61116 (inverted tip – fluorescent green)
 61190 (upright can-blue)
 61191 (inverted tip-red);
 61192 (upright can-red)
 61193 (inverted tip-blue)

Product Use: Spray paint livestock marker





Supplier: LA-CO Industries, Inc.
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 60007-5746
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Phone Number: (847) 956-7600

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24-hour Emergency: CHEMTREC: (800) 424-9300

Section 2: Hazards Identification

Protective Clothing	NFPA Rating (USA)	WHMIS (Canada)	Transport
			

Emergency Overview: Flammable aerosol. Irritating to eyes and respiratory tract.
Appearance, Color and Odor: Aerosol spray can, color according to label.

USA: This is a hazardous material as defined by 29 CFR1910.1200, OSHA Hazard Communication Standard.
 Canada: This is a controlled product under WHMIS.

Potential Health Effects **ACUTE (short term): see Section 8 for exposure controls**

Relevant Route(s) of Exposure: Inhalation, Skin and Eye contact.

Inhalation: Breathing vapors may cause drowsiness and dizziness. Irritating to the respiratory tract. Intentional misuse by deliberately concentrating and inhaling the vapors may be harmful or fatal.

Ingestion: Not an applicable route of occupational exposure. Liquid product is an aspiration hazard; may cause lung damage if swallowed.

Skin: Repeated exposure may cause skin dryness or cracking.

Eye: Irritating to eyes. Aerosol and vapors may cause mild to moderate eye irritation with symptoms of redness, tearing and pain.

CHRONIC (long term): see Section 11 for additional toxicological data
 Repeated overexposure by inhalation may cause permanent brain and nervous system damage, and may also cause damage to kidneys, lungs, liver, heart and blood.

Medical Conditions Aggravated by Exposure: Skin contact may aggravate an existing dermatitis. Inhalation may aggravate asthma.

Interactions With Other Chemicals: Not available

Potential Environmental Effects: Prevent release to the natural environment. See Section 12.

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Section 3: Composition / Information on Ingredients

Hazardous/Dangerous Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>
Solvent Naphtha (petroleum), light aliphatic	64742-89-8	10 - 30
Propane	74-98-6	10 - 30
n-Butane	106-97-8	7 - 13
Distillates (petroleum), hydrotreated light	64742-47-8	1 - 5

Note: See Section 8 of this SDS for exposure limit data for these ingredients.

Section 4: First Aid Measures

- Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
- Eye Contact:** If irritation occurs, flush contaminated eye(s) with lukewarm, gently flowing water for 15 minutes. If irritation persists, obtain medical advice.
- Skin Contact:** Wash with soap and plenty of water. If irritation persists, obtain medical advice.
- Ingestion:** If swallowed, immediately call a poison control center or doctor/physician. Do not induce vomiting.

Section 5: Fire Fighting Measures

- Flammable Properties:** Flammable aerosol.
- Suitable extinguishing Media:** Use CO₂, sand, extinguishing powder, water spray or alcohol resistant foam. Use water spray to cool fire-exposed containers.
- Unsuitable extinguishing Media:** Not available
- Explosion Data**
- Sensitivity to Mechanical Impact:** Not applicable
- Sensitivity to Static Discharge:** Not applicable
- Specific Hazards arising from the Chemical:** During a fire, products of combustion may include carbon dioxide, carbon monoxide, smoke and irritating and toxic fumes. When heated aerosol containers may rupture explosively (temperatures >48°C/120°F). In use, product may form flammable or explosive vapor-air mixture.
- Protective Equipment and precautions for firefighters:** Self-contained breathing apparatus and protective clothing should be worn. Remove all unprotected personnel.
- NFPA**
- | | |
|----------------------|---|
| Health: | 1 |
| Flammability: | 3 |
| Instability: | 3 |

Section 6: Accidental Release Measures

- Personal Precautions:** Wear adequate personal protective equipment as indicated in Section 8.
- Environmental Precautions:** Prevent the release of material into sewers or ground water.
- Methods for Containment:** Stop the release or spill immediately if safe to do so. Contain any spilled liquid with an inert absorbent.
- Methods for Clean-up:** Do not use water or aqueous cleaning agents to flush spills. Soak up spilled liquid with an inert absorbent. Collect contaminated absorbent in a suitable covered container for appropriate disposal (see Section 13).



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Section 7: Handling and Storage

- Handling:** Keep out of reach of children.
Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Avoid contact with eyes and skin; do not breathe in fumes. Wash thoroughly with detergent and water after handling, before eating, drinking, smoking or using the toilet. Remove contaminated clothing and wash before reuse.
- Storage:** Store in a well-ventilated, cool, dry area, out of direct sunlight and away from heat, flames and ignition sources. Keep containers closed when not in use. Observe pressurized container storage regulations.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

Consult local authorities for acceptable exposure limits.

<u>Ingredient</u>	<u>ACGIH TLV (8-hr. TWA)</u>	<u>U.S. OSHA PEL (8-hr. TWA)</u>	<u>Ontario (Canada) TWAEV</u>
Aliphatic hydrocarbon gases (Alkanes C1-C4)	1000 ppm	Not available	1000 ppm
Propane	See alkanes C1-C4	1000 ppm (1800 mg/m ³)	1000 ppm
n-Butane	See alkanes C1-C4	Not established	800 ppm (1900 mg/m ³)

Exposure Controls

- Engineering Controls:** Good general ventilation.
- Personal Protection:**
- Eye/Face Protection:** Wear safety goggles.
- Skin Protection:** Wear appropriate gloves to prevent skin contact.
- Respiratory Protection:** If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protection equipment including approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire.
- A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or Canadian Standards Association (CSA) Standard Z94.4-02 must be followed whenever workplace conditions warrant a respirator's use.
- General Hygiene Measures:** Avoid breathing vapors of this product. Do not eat, drink or smoke in work areas. Wash hands after handling this product. Keep away from foodstuffs and animal feed.

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Section 9: Physical and Chemical Properties

Physical State:	Aerosol	Flash Point & method:	-19°C (-2.2°F)
Appearance, Color and Odor:	Spray can, Color according to label specification; aromatic odor	Autoignition Temperature:	365°C (689°C) Ignition temp. Product is not self-igniting.
Odor Threshold:	Not available	Explosion Limits in Air:	0.5 Vol % - Lower 10.9 Vol. % - Upper
pH:	Not applicable	Vapor Pressure:	40 P.S.I (2 750 hPa)
Relative Density (water = 1):	0.77 – 0.85	Vapor Density (Air = 1):	Not available
Partition coefficient: (n-octanol/water)	Not available	Evaporation Rate: (n-Butyl Acetate = 1)	Not available
Solubility:	Partly soluble in water.	Boiling Point/Range:	-44°C (-47.2°F)
Viscosity:	Not available	Melting Point:	Not applicable
Decomposition Temperature:	Not available	VOC Content:	50.7 – 52.6% w/w 516 – 533 g/L
MIR Value:	0.58 – 0.62	Solids Content:	24.3 – 2.5%

Section 10: Stability and Reactivity

Chemical Stability:	Stable at normal room temperature. Spray cans may rupture explosively when exposed to temperatures exceeding 48°C (120°F).
Conditions to Avoid:	Avoid heat, sparks, ignition sources and open flames.
Incompatible Materials:	Not available
Hazardous Decomposition Products:	Not available
Possibility of Hazardous Reactions:	Not available

Section 11: Toxicological Information

Acute Toxicity Data	Acute toxicity data for the mixture is not available. Acute oral toxicity of the component substances is low.
Other Toxicity Data	
Carcinogenicity:	Normal use of this product will not result in exposure to any component that is considered a human carcinogen by IARC (International Agency for Research on Cancer), ACGIH (American Conference of Governmental Industrial Hygienists, OSHA or NTP (National Toxicology Program). Solvent Naphtha (petroleum), light aliphatic is listed by IARC in Group 3 – Not classifiable as to its carcinogenicity in humans.
Irritation:	Spray is irritating to eyes. Overexposure to mists and vapors may cause irritation to the eyes and respiratory system.
Corrosivity:	Not applicable
Sensitization:	Not applicable
Neurological Effects:	Repeated overexposure by inhalation may cause permanent brain and nervous system damage.
Genetic Effects:	Not available
Reproductive Effects:	Not available
Developmental Effects:	Not available
Target Organ Effects:	Repeated overexposure by inhalation may cause damage to kidneys, lungs, liver, heart and blood.

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Section 12: Ecological Information

Ecotoxicity:	This mixture does not contain any chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), or chlorinated solvents. Ecotoxicity data for the mixture is not available. Do not empty into drains or natural waterways.
Persistence:	Not available for this mixture.
Bioaccumulation:	Not available
Mobility:	Not available

Section 13: Disposal Considerations

Waste Disposal Method:	Do NOT puncture, compact or incinerate containers. Refer to disposal requirements for flammable pressurized containers. Do not discard into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, LA-CO Industries, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. Dispose of in accordance with local, state/provincial and federal laws and regulations.
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Section 14: Transport Information

U.S. Hazardous Materials Regulation (DOT 49CFR):	As packaged this material can be shipped, if spray can is equal to or less than 1 L, as a "Consumer Commodity ORM-D" Exemption. Shipment from US going to Canada may transport as per 49 CFR (TDG Section 9.1)
Canadian Transportation of Dangerous Goods (TDG):	As packaged this material can be shipped, if spray can is equal to or less than 1 L, as a "Consumer Commodity" as per part 1.17 of the TDG Regulations. Shipment from Canada to the US may transport as per TDG Regulations (49 CFR Part 171.12a)
IMDG:	UN1950, AEROSOLS, 2.1, LTD QTY (each not exceeding 1000 cm ³), EmS F-D, S-U
ICAO/IATA:	May be carried under the provisions for dangerous goods in limited quantities.

Section 15: Regulatory Information

USA	
TSCA Status:	All ingredients in the product are listed on the TSCA inventory.
SARA Title III	
Sec. 302/304:	Not available
Sec. 311/312:	Immediate (acute) health; Flammable
Sec. 313:	Not available
CERCLA RQ:	Not applicable
California Prop 65:	This product contains the following chemicals known to the State of California to cause cancer: Ethylbenzene (<0.1%). Blue products (61190, 61193) contain Titanium dioxide and Carbon black but not as airborne, unbound particles of respirable size.
State Right-to-Know Lists :	Trace amounts of Ethylbenzene in this mixture can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, and Massachusetts. Blue products (61190, 61193) contain Titanium dioxide and Carbon black but not as airborne, unbound particles of respirable size.

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Section 15: Regulatory Information, continued

Canada

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the SDS contains all the information required by the *Controlled Products Regulations*.

**WHMIS Classification:
(for workplace exposures)**

A – Compressed Gas
B5 – Flammable Aerosol
D2B – Materials causing other toxic effects – Eye irritation.

**New Substance Notification
Regulations:**

All ingredients in the product are listed, as required, on Canada's Domestic Substances List (DSL).

NPRI Substances:

Not applicable.

Section 16: Other Information

Preparation Information:

Revision Date:

November 17, 2011

Revision Summary:

July 20, 2005: Added VOC information to Section 9; Revised Section 14
September 20, 2005: Revisions to Sections 2, 3, 7, 8, 11.
November 18, 2008: Revised in all Sections
November 17, 2011: Revised product codes Section 1, and formulation.

Supplier Disclaimer:

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