

SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name: ALL-WEATHER® QUIK SHOT® Spray Paint Livestock Marker – 61102, 61112, 61106, 61191, 61192, 61193, 61190

Product Code: 61102 (upright can – fluorescent pink), 61112 (inverted tip – fluorescent pink), 61106 (upright can – fluorescent green), 61191 (inverted tip-red); 61192 (upright can-red), 61193 (inverted tip-blue); 61190 (upright can-blue)

Product Use: Spray paint livestock marker




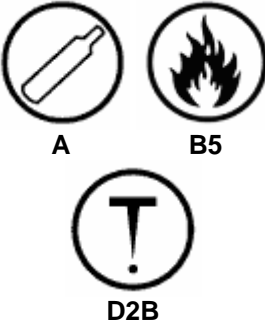
Supplier: LA-CO Industries, Inc.
1201 Pratt Boulevard
Elk Grove Village, IL.
60007-5746
E-mail Contact: customer_service@laco.com

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)	EC Classification	WHMIS (Canada)	Transportation
				<p>See Section 14</p>

Emergency Overview:

Extremely flammable. Irritating to eyes.

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.

European Communities (EC): This product is classified as dangerous according to Directive 1999/45/EC and its amendments. Classification: Extremely flammable. Irritant.

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Section 2: Hazards Identification (continued)

- Potential Health Effects:** **ACUTE (short term):** see Section 8 for exposure controls
- Relevant Route(s) of Exposure:** Inhalation, Skin and Eye contact.
- Inhalation:** No adverse health effects when used according to label directions. 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 harmful 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 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.

Section 3: Composition / Information on Ingredients

Hazardous/Dangerous Ingredients:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>EINECS / ELINCS</u>	<u>Symbol</u>	<u>Risk Phrases</u>
Solvent Naphtha (petroleum), light aliphatic	64742-89-8	10 - 30	265-192-2	T; Xn Carc. Cat. 2, Muta. Cat. 2	R45-46-65
Propane	74-98-6	10 - 30	200-827-9	F+	R12
Calcium Carbonate	1317-65-3	7 - 13	207-439-9	None*	None*
n-Butane	106-97-8	7 - 13	203-448-7	T, F+ Carc. Cat. 1, Muta. Cat. 2	R12; R45-46
Distillates (petroleum), hydrotreated light	64742-47-8	7 - 13	265-149-8	Xn	R65
Isobutyl acetate	110-19-0	5 - 10	203-745-1	F	R11;66
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	1 - 5	265-198-5	Xn	R65

* This substance is not classified in the Annex I of Directive 67/548/EEC.

Note: See Section 8 of this SDS for exposure limit data for these ingredients.
See Section 16 for the full text of the R-phrases above.



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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:	No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.
Ingestion:	In case of accidental ingestion, obtain medical advice immediately or contact a poison control center.

Section 5: Fire Fighting Measures

Flammable Properties:	Extremely flammable aerosol.
Suitable extinguishing Media:	Use CO ₂ , 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 spill immediately. 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:** 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. Keep out of reach of children. Keep away from sources of ignition. No smoking.
- 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</u> <u>(8-hr. TWA)</u>	<u>U.S. OSHA PEL</u> <u>(8-hr. TWA)</u>	<u>Ontario (Canada)</u> <u>TWAEV</u>	<u>UK OEL</u> <u>(8-hr. TWA)</u>
Aliphatic hydrocarbon gases (C1-C4)	1000	Not available	Not available	Not available
Propane	1000 ppm	1000 ppm (1800 mg/m ³)	1000 ppm	Asphyxiant
n-Butane	1000 ppm	Not established	800 ppm 1900 mg/m ³	600 ppm (1450 mg/m ³), *STEL 750 ppm (1810 mg/m ³)
Calcium Carbonate, dust	Not applicable	Not applicable	Not applicable	Not applicable
Isobutyl acetate	150 ppm	150 ppm/710 mg/m ³	150 ppm/710 mg/m ³ 187 ppm/887 mg/m ³ STEV	150 ppm/724 mg/m ³ 187 ppm/903 mg/m ³ STEL

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 European Standard EN 529 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:	210°C (410°C) Ignition temp. Product is not self-igniting.
Odor Threshold:	Not available	Explosion Limits in Air:	0.9 Vol % - Lower 10.9 Vol. % - Upper
pH:	Not applicable	Vapor Pressure:	40 P.S.I @ 750 hPa
Specific Gravity: (water = 1)	0.77 – 0.85 Density @ 20°C=0.81254 g/L	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:	60.9% w/w 550.7g/L

Section 10: Stability and Reactivity

Chemical Stability:	Stable at normal room temperature. Spray can 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



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Section 11: Toxicological Information

Acute Toxicity Data

Acute toxicity data for the preparation 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).

<u>Ingredient</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>
Solvent Naphtha (petroleum), light aliphatic	Not listed	Group 3	Not listed
Propane	Not listed	Not listed	Not listed
Calcium Carbonate	Not listed	Not listed	Not listed
n-Butane	Not listed	Not listed	Not listed
Distillates (petroleum), hydrotreated light	Not listed	Not listed	Not listed
Isobutyl acetate	Not listed	Not listed	Not listed

ACGIH: (American Conference of Governmental Industrial Hygienists)

IARC: (International Agency for Research on Cancer)

NTP: (National Toxicology Program)

Irritation:

Spray is irritating to eyes. Overexposure to fumes may cause irritation to the eyes and respiratory system.

Corrosivity:

Not available

Sensitization:

Not available

Neurological Effects:

Repeated overexposure 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 may cause damage to kidneys, lungs, liver, heart and blood.

Section 12: Ecological Information

Ecotoxicity:

This preparation does not contain any chlorofluorocarbons (CFCs), chlorinated solvents, lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyl (PBB), or polybrominated diphenyl ether (PDBE).

Ecotoxicity data for the preparation is not available.

Expected to be dangerous in the aquatic environment. Do not empty into drains or natural waterways.

Persistence:

Not available for this preparation.

Bioaccumulation:

Not available

Mobility:

Not available



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Section 13: Disposal Considerations

Waste Disposal Method:

Do NOT puncture, compact or incinerate. Refer to disposal requirements for extremely flammable pressurized containers.
Do not dump 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.

USA:

Dispose of in accordance with local, state and federal laws and regulations.

Canada:

Dispose of in accordance with local, provincial and federal laws and regulations.

EC:

Waste must be disposed of in accordance with relevant EC Directives and national, regional and local environmental control regulations. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

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)

ADR/RID:

UN1950, AEROSOLS, FLAMMABLE, 2.1; 2 5F Gases

IMDG:

UN1950, AEROSOLS, 2.1, LTD QTY (each not exceeding 1000 cm³), EmS F-D, S-U

Marine Pollutants:

Not available

ICAO/IATA:

Consumer Commodity, 9, ID8000
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: Isobutyl acetate 5 000 lb

California Prop 65: This product contains the following chemicals known to the State of California to cause cancer: Ethylbenzene (0.01%)

State Right-to-Know Lists : Trace amounts of Xylene and Ethylbenzene in this preparation can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, and Massachusetts.
Titanium dioxide (blue color products only) can be found on the following state right to know lists: New Jersey, Pennsylvania, Massachusetts. Inhalation exposure to powdered titanium dioxide is not a relevant route of exposure for this product.

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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.

NSNR: All component substances are listed on Canada's Domestic Substances List (DSL).

NPRI Substances: Not applicable

EC Classification for the Substance/Preparation

Symbol:



Extremely flammable Irritant

R Phrases:

R12: Extremely flammable
R36: Irritating to eyes.

S Phrases:

S2: Keep out of reach of children.
S9: Keep container in well ventilated place.
S16: Keep away from sources of ignition – No smoking.
S23/24/25: Do not breathe spray and avoid contact with skin and eyes.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S46: If swallowed, seek medical advice immediately and show this container or label.

Section 16: Other Information

Full Text of R-phrases appearing in Section 2:

R12: Extremely Flammable
R45: May cause cancer
R46: May cause heritable genetic damage
R65: Harmful: May cause lung damage if swallowed

Preparation Information:

Prepared by:

LEHDER Environmental Services Limited Tel : 519-336-4101
www.lehder.com

Preparation date:

September 20, 2005-Original

Revision Date:

January 8, 2009

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
January 8, 2009: Added Red and Blue product colors.

Disclaimer:

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