



## SAFETY DATA SHEET

ARCO SURVEY SPRAY PAINT 750ML YELLOW 5717807

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Compilation date: 17/04/2015

Revision No: 1

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** ARCO SURVEY SPRAY PAINT 750ML YELLOW 5717807

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** LMA Services Ltd  
Halifax Way  
Pocklington Industrial Estate  
Pocklington  
York  
YO42 1NR  
United Kingdom  
**Tel:** 01759 304676  
**Fax:** 01759 305809  
**Email:** [technical@aerosol.uk.com](mailto:technical@aerosol.uk.com)

#### 1.4. Emergency telephone number

**Emergency tel:** 01759 304676  
(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CHIP:** F+: R12; Xi: R36; N: R51/53; -: R64; -: R66; -: R67

**Classification under CLP:** STOT SE 3: H336; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Aerosol 1: H222;  
Lact.: H362; -: EUH208; -: H229

**Most important adverse effects:** Extremely flammable. Irritating to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. May cause harm to breastfed babies.  
Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

#### 2.2. Label elements

##### Label elements:

**Hazard statements:** EUH208: Contains isodecylpropylamine acetate. May produce an allergic reaction.  
H222: Extremely flammable aerosol.  
H229: Pressurised container: May burst if heated  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.

[cont...]

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H362: May cause harm to breast-fed children.

H411: Toxic to aquatic life with long lasting effects.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

GHS09: Environmental



**Precautionary statements:** P102: Keep out of reach of children.

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 dust/fumes/gas/mist/vapours/spray.

P263: Avoid contact during pregnancy.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

### Label elements under CHIP:

**Hazard symbols:** Extremely flammable.

Irritant.

Dangerous for the environment.



**Risk phrases:** R12: Extremely flammable.

R36: Irritating to eyes.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R64: May cause harm to breastfed babies.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S2: Keep out of the reach of children.

S29: Do not empty into drains.

S51: Use only in well-ventilated areas.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S23: Do not breathe gas/fumes/vapour/spray.

S24/25: Avoid contact with skin and eyes.

**Precautionary phrases:** Contains isodecyloxpropylamine acetate. May produce an allergic reaction.

Pressurised container: protect from sunlight and do not expose to temperatures

[cont...]

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exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

## 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### ACETONE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-662-2	67-64-1	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	30-50%

##### PROPANE

200-827-9	74-98-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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##### BUTANE

203-448-7	106-97-8	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	1-10%
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##### N-BUTYL ACETATE

204-658-1	123-86-4	-: R10; -: R66; -: R67	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	1-10%
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##### SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC.; LOW BOILING POINT NAPHTHA

265-199-0	64742-95-6	Xn: R65; Xi: R37; N: R51/53; -: R10; -: R66; -: R67	-	1-10%
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##### ISOBUTANE

200-857-2	75-28-5	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	1-10%
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##### 1,2,4-TRIMETHYLBENZENE

202-436-9	95-63-6	-: R10; Xn: R20; Xi: R36/37/38; N: R51/53	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	1-10%
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[cont...]

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## 1-METHOXY-2-PROPANOL

203-539-1	107-98-2	-: R10; -: R67	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%
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## 2-BUTOXYETHANOL

203-905-0	111-76-2	Xn: R20/21/22; Xi: R36/38	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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## ETHYL ACETATE

205-500-4	141-78-6	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-10%
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## ALKANES, C14-17, CHLORO

287-477-0	85535-85-9	-: R64; -: R66; N: R50/53	Lact.: H362; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	1-10%
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## ISODECYLOXPROPYLAMINE ACETATE

-	28701-67-9	Xn: R22; C: R34; Xi: R37; N: R50/53; Sens.: R43	Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3: H335; Aquatic Chronic 1: H410; Skin Sens. 1: H317	0.1-1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used.

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## 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Extremely flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. If outside do not approach from downwind.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden. Use non-sparking tools.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight. Keep away from sources of ignition.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

[cont...]

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## Hazardous ingredients:

### ACETONE

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1210 mg/m3	3620 mg/m3	-	-

### PROPANE

UK	1800 mg/m3	7200 mg/m3	-	-
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### BUTANE

UK	1450 mg/m3	1810 mg/m3	-	-
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### N-BUTYL ACETATE

UK	724 mg/m3	966 mg/m3	-	-
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### ISOBUTANE

UK	2400 mg/m3	9600 mg/m3	-	-
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### 1,2,4-TRIMETHYLBENZENE

UK	125 mg/m3	-	-	-
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### 1-METHOXY-2-PROPANOL

UK	375 mg/m3	560 mg/m3	-	-
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### 2-BUTOXYETHANOL

UK	25 ppm	50 ppm	-	-
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### ETHYL ACETATE

UK	200 ppm	400 ppm	-	-
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## DNEL/PNEC Values

DNEL / PNEC No data available.

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Chemically resistant gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** Prevent from entering in public sewers or the immediate environment.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Aerosol

**Colour:** Yellow

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**Odour:** Characteristic odour

**Flash point°C:** -60

## 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Direct sunlight. Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

#### N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

#### 1,2,4-TRIMETHYLBENZENE

IPR	RAT	LDLO	1752	mg/kg
ORL	RAT	LD50	5	gm/kg

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## 1-METHOXY-2-PROPANOL

IVN	RAT	LD50	4200	mg/kg
ORL	MUS	LD50	11700	mg/kg
ORL	RAT	LDLO	3739	mg/kg

## 2-BUTOXYETHANOL

IVN	RAT	LD50	307	mg/kg
ORL	MUS	LD50	1230	mg/kg
ORL	RAT	LD50	470	mg/kg

## ETHYL ACETATE

ORL	MUS	LD50	4100	mg/kg
ORL	RAT	LD50	5620	mg/kg
SCU	RAT	LDLO	5	gm/kg

### Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Inhalation:** No data available.

**Delayed / immediate effects:** No data available.

**Other information:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### ACETONE

BLUEGILL ( <i>Lepomis macrochirus</i> )	LC50	8300	mg/l
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### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

[cont...]



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## 12.4. Mobility in soil

**Mobility:** No data available.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Toxic to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Recovery operations:** Not applicable.

**Disposal of packaging:** Not applicable.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1950

### 14.2. UN proper shipping name

**Shipping name:** AEROSOLS

### 14.3. Transport hazard class(es)

**Transport class:** 2

### 14.4. Packing group

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** D

**Transport category:** 2

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** Not applicable.

[cont...]

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## 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.  
EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.  
H220: Extremely flammable gas.  
H222: Extremely flammable aerosol.  
H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H229: Pressurised container: May burst if heated  
H302: Harmful if swallowed.  
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.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H362: May cause harm to breast-fed children.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: Toxic to aquatic life with long lasting effects.  
R10: Flammable.  
R11: Highly flammable.  
R12: Extremely flammable.  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R20: Harmful by inhalation.  
R22: Harmful if swallowed.  
R34: Causes burns.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R36/38: Irritating to eyes and skin.  
R36: Irritating to eyes.  
R37: Irritating to respiratory system.  
R43: May cause sensitisation by skin contact.

[cont...]

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R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R64: May cause harm to breastfed babies.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.