



## SAFETY DATA SHEET

### Lapwing Warrior Pro Linemarker

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

**Product name** Lapwing Warrior Pro Linemarker  
**Container size** 750ml

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

**Identified uses** Marker Paint

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

**Supplier** Lapwing UK  
New Road  
Pershore  
WR10 1BY  
01386 551088  
sales@lapwinguk.com

##### 1.4. Emergency telephone number

**Emergency telephone** Lapwing +44(0) 1386 551088 Mon-Fri (9:00-17:00)

#### SECTION 2: Hazards identification

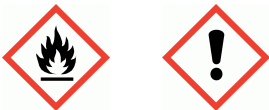
##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Aerosol 1 - H222, H229  
**Health hazards** Eye Irrit. 2 - H319 STOT SE 3 - H336  
**Environmental hazards** Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Pictogram



**Signal word** Danger

**Hazard statements** H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

## Lapwing Warrior Pro Linemarker

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Supplemental label information</b>	Please refer to Safety Data Sheet.
<b>Contains</b>	BUTYL ACETATE -norm, SOLVENT NAPHTHA, LIGHT AROMATIC, ACETONE, 1,2,4-TRIMETHYLBENZENE, CUMENE, MESITYLENE
<b>Supplementary precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS</b> <span style="float: right;"><b>10-30%</b></span> <b>&lt;0.1% 1,3 BUTADIENE</b> CAS number: 68476-85-7                      EC number: 270-704-2
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas (Liq.) - H280
<b>BUTYL ACETATE -norm</b> <span style="float: right;"><b>10-30%</b></span> CAS number: 123-86-4                      EC number: 204-658-1                      REACH registration number: 01-2119485493-29-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H336
<b>SOLVENT NAPHTHA, LIGHT AROMATIC &lt;0.1% BENZENE</b> <span style="float: right;"><b>10-30%</b></span> CAS number: 64742-95-6                      EC number: 265-199-0                      REACH registration number: 01-2119455851-35-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

## Lapwing Warrior Pro Linemarker

<b>ACETONE</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
<b>1,2,4-TRIMETHYLBENZENE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 95-63-6	EC number: 202-436-9	REACH registration number: 01-2119472135-42-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
<b>CUMENE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 98-82-8	EC number: 202-704-5	REACH registration number: 01-2119473983-24-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
<b>MESITYLENE</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 108-67-8	EC number: 203-604-4	REACH registration number: 01-2119463878-19-XXXX
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** CAS 68476-85-7 - Petroleum Gas, The substance contains less than 0.1% w/w 1,3-butadiene, meaning that the full harmonised classification regarding Muta. 1B H340 and Carc. 1A H350 does not apply.

### SECTION 4: First aid measures

## Lapwing Warrior Pro Linemarker

### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	Vapours may cause drowsiness and dizziness.
<b>Ingestion</b>	Aspiration hazard if swallowed.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	May cause severe eye irritation.

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

<b>Notes for the doctor</b>	The following symptoms may occur: Nausea, headache, dizziness, coughing and breathing difficulty.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream.

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

<b>Specific hazards</b>	Pressurised container: Must not be exposed to temperatures above 50°C. Forms explosive mixtures with air. May explode when heated or when exposed to flames or sparks. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved. Do not use water jet as an extinguisher, as this will spread the fire. Collect contaminated fire fighting water separately. Do not let enter the sewage system.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

## Lapwing Warrior Pro Linemarker

**Personal precautions** Ensure suitable respiratory protection is worn during removal of spillages in confined areas. For personal protection, see Section 8.

**For non-emergency personnel** Keep upwind to avoid inhalation of gases, vapours, fumes and smoke.

**For emergency responders** Wear anti-static protective clothing if there is a risk of ignition from static electricity. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. Avoid inhalation of vapours and spray/mists. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Avoid inhalation of vapours.

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

**Storage precautions** Store at moderate temperatures in dry, well ventilated area. Keep away from heat, sparks and open flame. Pressurised container: Must not be exposed to temperatures above 50°C.

**Storage class** Extremely Flammable Aerosol

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

#### **BUTYL ACETATE -norm**

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m<sup>3</sup>

#### **SOLVENT NAPHTHA, LIGHT AROMATIC <0.1% BENZENE**

Long-term exposure limit (8-hour TWA): WEL 25 ppm 50 mg/m<sup>3</sup>(Sk)

#### **ACETONE**

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Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

### CUMENE

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 125 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 250 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

### ACETONE (CAS: 67-64-1)

#### DNEL

Consumer - Oral; Long term : 62 mg/kg/day  
 Consumer - Dermal; Long term : 62 mg/kg/day  
 Industry - Dermal; Long term : 186 mg/kg/day  
 Consumer - Inhalation; Long term : 200 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term : 2420 mg/m<sup>3</sup>  
 Industry - Inhalation; Long term : 1210

#### PNEC

- Fresh water; 10.6 mg/l  
 - marine water; 1.06 mg/l  
 - Intermittent release; 21 mg/l  
 - Soil; 29.5 mg/l  
 - Sediment (Marinewater); 3.04 mg/kg  
 - Sediment (Freshwater); 30.4 mg/kg

## 8.2. Exposure controls

### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Personal protection

Wear protective work clothing.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Laminate >480 minutes. For users with sensitive skin, it is recommended that suitable protective gloves are worn.

#### Other skin and body protection

Provide eyewash station. Wear protective clothing. For the greatest protection, clothing should include anti-static overalls, boots and gloves. Wear anti-static protective clothing if there is a risk of ignition from static electricity.

#### Hygiene measures

Wash promptly if skin becomes contaminated. Ensure the ventilation system is regularly maintained and tested. When using do not eat, drink or smoke.

#### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn.

#### Thermal hazards

Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

## SECTION 9: Physical and chemical properties

## Lapwing Warrior Pro Linemarker

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

<b>Appearance</b>	Aerosol.
<b>Colour</b>	Various colours.
<b>Odour</b>	Organic solvents.
<b>Odour threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	A flash point method is not available but the major hazardous component, the Propellant has a flash point of <-60°C with flammability limits of 10.9% vol. upper and 1.4% vol. lower.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Other flammability</b>	No information available.
<b>Vapour pressure</b>	4.5 bar @ 20°C
<b>Vapour density</b>	No information available.
<b>Relative density</b>	1.25-1.35 @ 20°C Density of paint base
<b>Bulk density</b>	No information available.
<b>Solubility(ies)</b>	Partially soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No specific test data are available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	No information available.

### 9.2. Other information

<b>Other information</b>	Not available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 717 g/l.

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

<b>Stability</b>	Highly volatile.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No known hazardous reactions if stored under normal conditions. Will not polymerise.
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### 10.4. Conditions to avoid

## Lapwing Warrior Pro Linemarker

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

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

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 369,230.77

**General information** Contains organic solvents Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** The product contains organic solvents. Overexposure may depress the central nervous system, causing dizziness and intoxication.

**Ingestion** Harmful: may cause lung damage if swallowed. Drowsiness, dizziness, disorientation, vertigo.

**Skin contact** Repeated exposure may cause skin dryness or cracking. Contains components which may penetrate the skin.

**Eye contact** Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting.

**Acute and chronic health hazards** Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting. Arrhythmia (deviation from normal heart beat). Defatting, drying and cracking of the skin.

**Route of exposure** Inhalation Skin absorption

**Target organs** Central nervous system Respiratory system, lungs Kidneys

**Medical symptoms** Narcotic effect. Vapours may cause drowsiness and dizziness.

#### Toxicological information on ingredients.

### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Toxicological effects** Information given is based on data of the components and of similar products.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Not applicable.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Not applicable.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >20 mg/l, Inhalation, Rat

#### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

#### Serious eye damage/irritation



## Lapwing Warrior Pro Linemarker

<b>Serious eye damage/irritation</b>	Not irritating.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Not sensitising.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	This substance has no evidence of mutagenic properties.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Carcinogenicity in humans is not expected.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Does not contain any substances known to be toxic to reproduction.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	A single exposure may cause the following adverse effects: Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Not classified as a specific target organ toxicant after repeated exposure.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not anticipated to present an aspiration hazard, based on chemical structure.
<b><u>Inhalation</u></b>	
<b>Inhalation</b>	May cause respiratory system irritation.
<b><u>Skin contact</u></b>	
<b>Skin contact</b>	Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.
<b><u>Route of exposure</u></b>	
<b>Route of exposure</b>	Inhalation Skin and/or eye contact

### **BUTYL ACETATE -norm**

#### **Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 14,130.0

**Species** Rat

#### **Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 17,600.0

**Species** Rabbit

#### **Acute toxicity - inhalation**

## Lapwing Warrior Pro Linemarker

**Acute toxicity inhalation** 29.2  
(LC<sub>50</sub> vapours mg/l)

**Species** Rat

**ATE inhalation (vapours** 29.2  
**mg/l)**

### ACETONE

**Toxicological effects** The toxicity of this substance has been assessed during REACH registration.

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub>** 2,000.0  
**mg/kg)**

**Species** Rabbit

#### Skin sensitisation

**Skin sensitisation** Epidemiological studies have shown no evidence of skin sensitisation.

**Skin contact** Irritating to skin.

**Eye contact** Irritating to eyes.

### 1,2,4-TRIMETHYLBENZENE

#### Acute toxicity - inhalation

**Acute toxicity inhalation** 18,000.0  
(LC<sub>50</sub> vapours mg/l)

**Species** Rat

**ATE inhalation (vapours** 18,000.0  
**mg/l)**

### CUMENE

#### Serious eye damage/irritation

**Serious eye** Eyes - rabbit- No irritation  
**damage/irritation**

### MESITYLENE

#### Acute toxicity - inhalation

**Acute toxicity inhalation** 24,000.0  
(LC<sub>50</sub> vapours mg/l)

#### Serious eye damage/irritation

**Serious eye** Eyes - Rabbit - Mild eye irritation - 24hrs  
**damage/irritation**

## SECTION 12: Ecological information

### Ecotoxicity

The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

## Lapwing Warrior Pro Linemarker

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Ecotoxicity** Information given is based on data of the components and of similar products.

### 12.1. Toxicity

### Ecological information on ingredients.

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Toxicity** Not regarded as dangerous for the environment. The product is not believed to present a hazard due to its physical nature. Highly volatile.

#### BUTYL ACETATE -norm

##### Acute aquatic toxicity

**Acute toxicity - fish** , 96 hours: 100 mg/l, Lepomis macrochirus (Bluegill)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 72 - 205 mg/l, Daphnia magna

#### ACETONE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >100 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 12600 mg/l, Daphnia magna  
EC<sub>50</sub>, 48 hours: 8300 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** IC<sub>50</sub>, 72 hours: >100 mg/l, Algae

##### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEC, 28 days: >10<100 mg/l, Freshwater invertebrates

#### 1,2,4-TRIMETHYLBENZENE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 7.72 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 3.6 mg/l, Daphnia magna

#### CUMENE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 4.8 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 2.14 mg/l, Daphnia magna  
OECD Test Guideline 202

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 2.6 mg/l, Freshwater algae

#### MESITYLENE

##### Acute aquatic toxicity

## Lapwing Warrior Pro Linemarker

**Acute toxicity - fish** LC50, 96 hours: 12.52 mg/l, Carassius auratus (Goldfish)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 6 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### Ecological information on ingredients.

##### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Persistence and degradability** The product is readily biodegradable.

##### ACETONE

**Persistence and degradability** The product is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

#### Ecological information on ingredients.

##### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Bioaccumulative potential** Bioaccumulation is unlikely.

### 12.4. Mobility in soil

**Mobility** The product contains volatile substances which may spread in the atmosphere.

#### Ecological information on ingredients.

##### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not determined

#### Ecological information on ingredients.

##### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS <0.1% 1,3 BUTADIENE

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

##### ACETONE

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

## Lapwing Warrior Pro Linemarker

### 13.1. Waste treatment methods

<b>General information</b>	Do not puncture or incinerate, even when empty. Ensure containers are empty before discarding (explosion risk). Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not puncture or incinerate, even when empty. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	Empty Aerosol: 15 01 10 (Containing hazardous residues), Full or Partially Empty Aerosol: 16 05 04, Empty Aerosol: 15 01 04 (No hazardous residues).

### **SECTION 14: Transport information**

**General** This product is packed in accordance with the Limited quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow the transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing they are labelled in accordance with the requirements of those regulations to show that they are transported as Limited Quantities. Aerosols not so packed must show the following.

#### 14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

#### 14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

#### Transport labels



#### 14.4. Packing group

Not applicable.

ADR/RID packing group #

## Lapwing Warrior Pro Linemarker

IMDG packing group #

ICAO packing group #

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

IMDG Code segregation group SG69

EmS F-D, S-U

ADR transport category 2

Hazard Identification Number (ADR/RID) Not applicable

Tunnel restriction code (D)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

National regulations The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance ECHA: Guidance on the Compilation of safety data sheets. (V3.1, November 2015)

Authorisations (Title VII Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006) No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008 Aerosol 1 - H222, H229: Weight of evidence. Eye Irrit. 2 - H319, STOT SE 3 - H336, Aquatic Chronic 3 - H412: Calculation method.

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Revision 8

## Lapwing Warrior Pro Linemarker

<b>Supersedes date</b>	01/08/2016
<b>SDS number</b>	20752
<b>Hazard statements in full</b>	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. H280 Contains gas under pressure; may explode if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.