

# SAFETY DATA SHEET

Product Name: ULTRAIR POWER GAS Version no.: 1  
Created: 30. Jan. 2008 Date of revision: 30. Jan. 2008

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## ULTRAIR POWER GAS

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

**Product Name:** ULTRAIR POWER GAS

**Supplier:**

ActionSportGames A/S  
Bakkegaardsvej 304  
DK-3050 Humlebaek

Telephone no.: 0045 8928 1888

Fax no.: 0045 4919 3160

**Responsible for the Safty Data Sheet**

E-mail: kk@actionsportgames.com

**Uses:**

For use in gasoperated Air Soft Guns.

**Emergency telephone number :**

Dial: 0045 8928 1888  
(ActionSportsGames). Available  
8-16 monday to friday.

### 2. HAZARDS IDENTIFICATION:

**Main Toxicological and Ecological hazards:**

Extremely flammable. Strong overheating in closed container can cause decomposition, pressure increase and explosion of container.

Excessive and prolonged contact with the liquid can cause skin irritation and frostbite due to rapid evaporation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

**Contains:**

CAS number:	EC-no.:	%:	Chemical Name:	Classification:	Note:
74-98-6	200-827-9	90%	propane	Fx	R12
106-97-8	203-448-7	10%	butane (containing >= 0,1 % butadiene (203-450-8))	Fx	R12

### 4. FIRST AID MEASURES:

**General information:**

In case of doubt, seek medical advice. Bring along the safety data sheet when consulting a medical physician.

**Inhalation:**

The injured person is moved into fresh air and kept under observation. If the patient is conscious examine if patient is breathing. If breathing has stopped, apply artificial respiration. If the unconscious person is breathing, lay person in recovery position and keep warm with blankets or the like. Obtain medical attention immediately.

**Contact with eyes:**

Open your eye wide. Make sure to remove any contact lenses. Immediately flush eyes with lukewarm water. Continue to flush during transit until a medical practitioner takes over treatment.

**Contact with skin:**

Can have an irritating effect. Wash with water and soap. Remove contaminated clothes and shoes. Seek medical advice as soon as possible if irraitaion or frostbite occurs.

**Ingestion:**

Not likely due to the design of the product.

**Burns:**

Flush immediately with water. While flushing remove all loose clothing from area of burns. Obtain medical aid. Continue flushing during transport until medical staff takes over the treatment.

### 5. FIRE-FIGHTING MEASURES:

**Suitable extinguishing media:**

Fire is extinguished with foam (alcohol-containing), carbon dioxide, powder or water fog.

**Extinguishing media that must not be used:**

Do not use full jet of water. The fire will spread.

**Special hazards:**

Strong overheating in closed container can cause decomposition, pressure increase and explosion of container.

Vapours are heavier than air and may travel along the floor and the bottoms of the containers. Vapours may be ignited by a sparkle, a hot surface or a flash. Vapour causes explosive mix with air.

**Special protective equipment:**

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Wear self-contained breathing apparatus and full protective gear when extinguishing fire.

## General information:

Remove containers from area of fire if this can be done without any possible risk for personal safety. Cool exposed closed containers with water.

## 6. ACCIDENTAL RELEASE MEASURES:

### Personal precautions:

Unauthorized persons are forbidden to enter. Remove all ignition sources and ensure sufficient ventilation. Reduce vapours with fog or fine water spray. Avoid inhalation of vapours/aerosols and contact with skin and eyes. Regarding personal protection - see section 8.

### Methods for cleaning up:

The evaporation could be prevented by covering the area with plastic foil. Dispose according to section 13. Afterwards ventilate the lower area in the room.

## 7. HANDLING AND STORAGE:

### Handling:

Prevent the formation of inflammable and explosives concentrations of vapours in the air. Do not use spark forming tools. Ensure adequate ventilation. Vapours may travel considerable distance to source of ignition and flash back. The vapour is heavier than air. Therefore the vapour will accumulate in lower area. Do not use this material near naked flames or any other ignition source. Avoid contact with eyes and skin. Personal protective equipment: Refer to section 8.

### Storage:

Store securely, away from children, away from food, animal foodstuffs, medicaments or the like. Pressure tank: Must be protected against sunlight and must not be exposed to temperatures above 50°C. Store cool and dry. Keep away from naked flames and ignition sources. Follow the Emergency Services technical procedures for flammable liquids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

### Engineering Control Measures:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits to minimize the risk of inhaling vapours. There must be access to ample supplies of water and eye wash bottles. No smoking.

### Respiratory Protection:

Use suitable breathing equipment if efficient ventilation is not possible.

### Hand Protection:

Use protective gloves made of nitrilerubber or a similar suitable material. Break through time > 480 min. Follow the glove manufacturer's recommendations on use and replacement.

### Eye protection:

Use of protective goggles are recommended

### Skin Protection:

Special working clothes are recommended.

### Occupational Exposure Limits:

CAS number:	Chemical Name:	Occupational Exposure Limits:	Note:
74-98-6	propane	1000 ppm 1800 mg/m <sup>3</sup>	
106-97-8	butane (containing >= 0,1 % butadiene (203-450-8))	500 ppm 1200 mg/m <sup>3</sup>	

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	Gas
Colour:	Colourless
Odour:	Disagreeable
Flash point:	-104 °C (Propane)
Density:	0,5g/cm <sup>3</sup> (20 °C) pro. I-1
Explosion limits:	1,9 - 9,5 Vol%(air)
Miscible with water:	No
Boiling point:	-42°C
Ignition temperature:	450 °C (Propane)

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<b>Vapor density:</b>	1,5 (air = 1)
<b>Vapour pressure:</b>	830 kPa (Propane)
<b>Water solubility:</b>	0,12 g/l (Propane)

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## 10. STABILITY AND REACTIVITY:

### Stability:

Volatile vapours can be ignited by for example a spark or a hot surface. Volatile vapour can form explosive mixtures with air. Stable at normal temperatures.  
(Below 50°C)

### Conditions to avoid:

Temperature above 50°C.

### Substances to avoid:

Oxidizer, nickel carbonyl or oxygen.

### Hazardous Decomposition Products:

Carbon monoxide and carbon dioxide.

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## 11. TOXICOLOGICAL INFORMATION:

### Inhalation:

Vapours are irritating to respiratory tract and may cause coughing and breathing difficulties. At high concentration vapours may cause headache, tiredness, dizziness and nausea.

### Contact with skin:

Excessive and prolonged contact with the liquid can cause skin irritation and frostbite due to rapid evaporation.

### Contact with eyes:

May cause irritation with a possibility of frostbite due to rapid evaporation. May cause injury of the eye.

### Ingestion:

Ingestion of the product is not likely to occur due to the design of the product.

### Chronic effects:

Inhalation of high concentrations or ingestion have an anaesthesia and intoxicating effect with possibility of effecting the centralnervous system.

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## 12. ECOLOGICAL INFORMATION:

### Ecotoxicity:

No relevant information known.

### Mobility:

The product evaporates quickly from soil and water.

### Degradability:

No relevant information known.

### Accumulation:

No relevant information known.

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## 13. DISPOSAL CONSIDERATIONS:

### Disposal considerations:

Dispose of in a manner consistent with federal, state, and local regulations. An example of a European Waste Code is shown below.

<b>Waste code:</b>	16 05 04	gases in pressure containers (including halons) containing dangerous substances
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## 14. TRANSPORT INFORMATION:

<b>ADR/RID:</b>	<b>UN no.</b>	1950
	<b>Class:</b>	2.1
	<b>Packaging group:</b>	
	<b>Hazard Identification:</b>	
	<b>Proper Shipping Name:</b>	AEROSOLS (propane, butane)
<b>IMDG:</b>	<b>UN no.</b>	1950
	<b>Class:</b>	2.1
	<b>Packaging group:</b>	
	<b>EmS:</b>	F-D, S-U

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<b>IATA:</b>	<b>Proper Shipping Name:</b>	AEROSOLS (propane, butane)
	<b>UN no.</b>	1950
	<b>Class:</b>	2.1
	<b>Packaging group:</b>	
	<b>Proper Shipping Name:</b>	AEROSOLS, FLAMMABLE (propane, butane)

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## 15. REGULATORY INFORMATION:

### Labelling:

F+



Extremely flammable

R12	Extremely flammable.
S(2)	Keep out of the reach of children.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S24	Avoid contact with skin.

### Special labelling:

Pressure tank: Must be protected against sunlight and must not be exposed to temperatures above 50°C. Must not be punctured or burnt, even when empty.

### Uses and Restrictions:

In general, young people under 18 years of age must not work with this product, according to EU Council Directive 94/33/EC.

### Special Education:

The user of the product must be thoroughly instructed in working with the product, the dangerous properties of the product and the necessary safety measurements.

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## 16. OTHER INFORMATION:

### R phrases:

R12 Extremely flammable.

### Training advice:

The commercial user of the product must be thoroughly instructed in working with the product, the dangerous properties of the product and the necessary safety precautions.

### Final remarks:

The users working conditions is outside our knowledge and control, we draw to your attention that it's always the users responsibility to take the necessary precautions and follow the given legislation.

### References:

EH40/2005 Occupational Exposure Limits. COSHH : The Control of Substances Hazardous to Health Regulations 2992 and subsequent amendments. EC Directive 94/33/EC. The Dangerous Substances and Preparations Regulations and amendments. CHIP3: Chemicals (Hazard Information and Packaging for Supply), Regulations 2002 (SI 2002/1689) and accompanying documentation. EC Directive 2004/73/EC classification, packaging and labelling of dangerous substances. EC Regulation no. 1907/2006. REACH.

**Drawn up by:** pbb/ trotters aps

QA: kj 01-2008

**Updated by:** pbb

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