



## MATERIAL SAFETY DATA SHEET

Product Code: 10033

Product Description: Signal Horn & Refilling Canister in Blister Pack

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY:

**Product Name:** Signal Horn & Refilling Canister in Blister Pack

**Information of the company:** LALIZAS HELLAS SA  
Gounari Str., 3  
18531 Pireaus  
Greece

**Telephone Number:** +30 210 4226274

**Intended use of the product:**

Acoustic Horn for boating signals  
Assembly instruction are indicated on the packaging

### 2. HAZARDS IDENTIFICATION



Extremely flammable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

**Signal Horn:**

Material: ABS (Acrylonitrile –Butadiene-Styrene)  
CAS Number 009003-56-9

**Refilling Canister:**

1. Canister Material: Tinfoil
2. Liquid Content
  - Trade Name: Odourless commercial propane
  - Main constituent: Hydrocarbons, C3
  - CAS Number 68060-26-8

**Packaging:**

PVC Blister



#### **4. FIRST AID MEASURES**

In case of inhalation / skin contact / eye contact of the liquid content of the Refilling Canister.

*Following inhalation:*

- Move to fresh air
- Do not leave the victim unattended
- Keep patient warm and at rest
- Call a doctor immediately
- If breathing is difficult, give oxygen if possible, or assisted ventilation

*Following skin contact:*

- Do not remove clothing that adheres due to freezing
- Immediately flush affected area with plenty of water. Continue for at least 15 minutes.
- If there are signs of frostbite, (blanching or redness of skin or burning), do not rub, massage or compress the affected area. Send the casualty immediately to hospital.

*Following eye contact:*

Rinse opened eye for several minutes under running water. Consult a doctor.

#### **5. FIRE-FIGHTING MEASURES**

- Water Spray
- Foam
- Carbon dioxide
- Dry chemical powder
- Dry sand

#### **6. ACCIDENTAL RELEASE MEASURES**

- Eliminate possible causes of ignition.
- Prevent entry into waterways, sewers, basements or confined areas.
- Stop leak if safe to do so.
- Keep non-involved personnel away from the area of spillage. Alert emergency personnel.
- Enter area only if strictly necessary.
- Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fire, flares).
- If required, notify relevant authorities according to applicable regulations.

## 7. HANDLING AND STORAGE



- Do not store the pressurized container in direct sunlight
- Do not expose to temperatures exceeding 40°C
- Do not pierce or burn even after use

### Attention:

- Keep away from fire or any source of ignition
- Do not spray towards a flame or a flammable object
- Do not smoke during use
- Use in well ventilated areas
- Keep away from children

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Not applicable: The risk of explosion does not exist under normal conditions of use. In the unlikely situation of explosion under extreme conditions use personal protective equipment as described below.

### Personal Protection:

#### Eyes and Face Protection

Use safety glasses & face protection mask

#### Hands Protection

Use protective gloves for contact with the liquid.

#### Protection of the skin and the body

It is recommended to wear protective work clothing and a long-sleeved shirt.

#### Respiratory protection

Use a self contained breathing apparatus complying with an approved standard if risk assessment indicates this is necessary. The choice of respiratory protection should be based on known or anticipated exposure levels, the hazards of the product and the safe operating limits of the selected respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties of the content:

Appearance:

Colour:	Colourless
Form:	Gaseous
Odour:	Odourless
Odour threshold:	Not determined
PH-value:	Not determined
Melting Point / Melting range:	-187.6 - -138.3 °C
Boiling Point / Boiling range:	-161.48 - -0.5 °C
Flash point:	-104 - -60 °C
Flammability:	Not determined
Ignition temperature:	287 – 537 °C (549-999 °F)
Decomposition temperature:	Not determined
Self-igniting:	refer to auto-ignition temperature
Danger of explosion:	product does not present an explosion hazard
Explosion limits:	
Lower:	LFL: 1.8%
Upper:	UFL: 15%
Vapour pressure at 40°C:	max 1550kPa
Density at 25°C :	0.4228-0.589 g/cm <sup>3</sup>
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not applicable
Solubility in / Miscibility with water:	24.4-60.4 mg/l
Partition coefficient (n-octanol/H <sub>2</sub> O):	1.09-2.8
Viscosity:	
Dynamic:	Not determined
Kinematic:	Product is a gas Not determined Product is a gas

## 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Reactivity:	No available data.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Expose in flame, sparks and other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

Toxicity:	Not Applicable under normal conditions of use
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## **12. ECOLOGICAL INFORMATION**

Ozone friendly (does not contain fluocarbons)

## **13. DISPOSAL CONSIDERATIONS**

Please recycle packaging and Signal Horn component  
Dispose according to relative legislation of local authorities

## **14. TRANSPORT INFORMATION**

UN-Number: 3150  
UN proper shipping name: Devices, small, hydrocarbon gas powered or Hydrocarbon gas refills for small devices with release device  
Transport hazard class: 2.1

## **15. REGULATORY INFORMATION**

Not determined

## **16. OTHER INFORMATION**

Although the information and recommendations in this data sheet are to the best of our knowledge correct, it is recommended that you make your own determination of the material's suitability for your purpose before you use it. The information herein is given in good faith but no warranty, expressed or implied, is made.

All materials and preparations may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that there are no other hazards.