

## Safety data sheet for: Arctiko A/S

<b>Internal Name:</b> /88	<b>Company No.:</b> 5082505-02-GB
<b>Product Name:</b> EP 88	

**Ingredients:** Mixed gas, 100% CFC/HCFC free

R600a (Isobutan) 25-50%	R116 (Hexaflourethan) 25-50%	R23 (Triflourmethan) 10-25%	R290(Propan) 10-25%
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**GWP (Global Warming Potential) of EP88: 4425**

### Field of Application and Limitations:

The mixed product is used as a refrigerant of refrigerators. The product is only to be used for industrial purposes. It is delivered in pressurized bottles from which the refrigerating plant is automatically filled.

### Demands for Special Training:

None. Everyone working with the product must be familiar with this safety sheet.

### Personal Protection Information:

Avoid liquid or vapour spraying on the skin or in the eyes as it is extremely cooling.

Only use in rooms with adequate ventilation. In case of inadequate ventilation use suitable respiratory protection

Use suitable safety gloves when there is a risk of long –lasting or repeated skin contact. Use eye protectors when there us a risk of repeated sin contact. Use eye protectors when there is a risk of splashing.

Smoking and open fire prohibited.

### Health Hazards:

**Inhalation:** Inhalation of high concentrations lead to drowsiness and dizziness. Very high concentrations many lead to unconsciousness or sudden heart failure.

**Skin Contact:** May lead to frost-bite

**Eye Contact:** May cause frost-bite to the tissue or eye fluid.

**Ingestion:** The substance evocates quickly and may thus in large quantities result in the surrounding tissue freezing.

**First Aid Procedures:**

**Inhalation:** Remove the patient to fresh air and keep under observation. If the malaise continues, consult a doctor. If breathing has stopped, administer artificial respiration.

**Skin Contact:** I immediately wash the skin with large quantities of water. And apply skin lotion. If the irritation continues, consult a doctor.

**Eye Contact:** Irrigate with flowing water immediately and continuously for 15 minutes. Remove contact lenses, if any and open the eye up wide. If the irritation continues, consult a doctor and bring this safety data sheet.

**Ingestion:** Immediately rinse the mouth with water and drink a lot, preferably with activated carbon. Do not induce vomiting. Keep the person under observation. In case of any malaise, consult a doctor, and bring this safety data sheet.

**Burns:** -

**First Aid Equipment:** Eye wash bottles are to be kept at work place and a first aid box in the Forman's office.

**In an Emergency, call** \_\_\_\_\_

**Properties and Heating and Fire:** the product cannot burn. Heating causes the pressure to rise with the consequent risk of an explosion. At high temperatures the product may decompose and release toxic gases (halogenic acids).

**In Case Of Fire:** Fire threatened containers are cooled by pouring water over them. In case of a fire involving the product use ventilating respiratory protection. Extinguishing Media: Dry chemical, foam or CO<sub>2</sub>

**Precautions regarding spills and disposal:** Limit the extent of spillage and prevent it from getting into the sewer. Cover the spillage with an absorbent material. Use suitable gloves. The substance evocates quickly – ensure thorough ventilation. Empty pressurized bottles are to be returned to the supplier.

**Chemical Waste Card No.:** 2.11

**Chemical Group:** B

**Precautions to be taken in storing and store –room:** The product must be stored in a cool and dry area away from any source of source of heating. The pressurized container should not be exposed to direct heat. The temperature must not exceed 45°C.

**Classification:** No duty to classify according to the supplier.

**Danger symbol:** -

**Compulsory Declaration of ingredients:** 1,1,1,2-tetrafluoroethane and trifluoromethane.

**R- and S-Sentences:** -

**Supplier:** Arctiko A/S  
Lammefjordsvej 5  
6715 Esbjerg N,  
Denmark  
Tel: +45 70 20 03 28, fax: +45 70 20 03 29

**Environmental information: -**

**Physical/Chemical Data:**

<b>State:</b>	Liquid gas
<b>Solubility:</b>	Easily soluble in water, soluble in alcohols and esters
<b>Colour:</b>	Colourless
<b>Odour:</b>	Mild (Weak) ether
<b>Melting Point:</b>	- 101°C
<b>Boiling Point:</b>	-26°C at 760 mm Hg
<b>Density:</b>	1,22 g/cm <sup>3</sup> at 20°C
<b>Vapour Pressure:</b>	4279mm Hg at 20°C

**Transport:**

<b>UN No.:</b>	<b>3161</b>
<b>Road transport:</b>	<b>(ADR): Class 2      Number: 2,3(a)</b>
<b>Sea carriage:</b>	<b>(IMDG): Class 2,1</b>
<b>Air transport:</b>	<b>(ICAO): Class 2,1</b>