



EC Safety Data Sheet 91/155/EWG

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EC Safety Data Sheet
Produkt: cooling spray

Date of issue 05.07.01

Version: 002

1. Commercial produkt name and supplier

Art.No.: ES 12
Commercial product name: ESKIMO
Producer: Euronda S.P.A.
Via Dell' Artigianato, 7 36030-Montecchio Precalcino (VI) ITALY
0039 (0)445/ 329811 Fax: 0039 (0)445/865246
Informations: 0039 (0)445/ 329811

2. Composition

Chemical characterisation: Mixture of hydrocarbons (propane, butane and isobutane)

Hazardous components:

<u>Chem. Charact.:</u>	<u>CAS-Nr.</u>	<u>EINECS-Nr.</u>	<u>EG-Ind. -Nr.</u>	<u>%</u>
n-Butane	106-97-8	203-448-7	601-004-00-0	10-40
Propane	74-98-6	200-827-9	601-003-00-05	60-90

3. Hazard identification

Extremely flammable

4. First aid measures

Ey contact:

Flush eyes with plenty of water (10-15min). Call a physician.

Skin contact:

Flush with plenty of water immediately, may cause frostbite type of injuries. Consult a physician.

Ingestion:

After Ingestion call a physician immediately and show packaging or label.

Inhalation:

Take into fresh air. If you feel unwell, seek medical advise (show this data sheet).

Further information:

none

5. Fire-fighting measures

Suitable extinguishing media:

Foam, powder, carbon dioxide, water fog

extinguishing media to avoid:

Do not use direct water stream

further information:

Cool containers in the vicinity of the blaze using a water spray. Risk of explosion if heated under confinement. Violent eruption of containers may occur under fire conditions.

6. Accidental release measures

Keep away from sources of ignition. No smoking. Do not allow to flow off into the drains. Explosion hazards! Dispose of according to local and national regulation.



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7. Handling and storage

Handling:

Only adequately trained personnel should handle this product. Keep out of reach of children.

Industrial hygiene:

Usual hygienic measures are necessary. when using, do not drink, eat or smoke.

Storage:

Do not expose to direct sunshine. Store in cool, dry well ventilated area away from sources of ignition and heat.

Place of storage:

Store in a cool, dry place.

8. Exposure controls / personal protection

Technical equipment:

Provide adequate local ventilation. Control airborne concentration below the exposure guideline.

Control of threshold limits:

<u>CAS-Nr.</u>	<u>Chem. Charact.</u>	<u>Limits</u>	<u>unit</u>
106-97-8	n-Butane	MAK	1000 ppm
			2350mg/m ³

Respiratory protection:

-

Hand protection:

-

Eye protection:

Safety goggles.

Other:

Eye wash fountain should be located in work area.

9. Physical and chemical properties

Appearance:

liquified gas

Colour:

colourless

Odour:

peppermint

Change in physical state:

Boiling point:

-0,5°C (Butane)

Ignition temperature:

240°C (Butane)

Flashpoint:

approx. -41°C (Butane)

Explosion limits:

Lower: 1,5 Vol.%

Upper: 11 Vol.% (Butane)

Vapour pressure:

5,0 bar at 20°C; 11,6 at 50°C

Density:

0,54 g/cm³ at 20°C

Solubility in water:

practically not

pH-Value:

not applicable



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10. Stability and reactivity

Thermal decomposition:

Conditions to avoid see 7.

Hazardous reactions:

None under normal conditions of storage and use.

11. Toxicological information

Acute toxicity:

-

Subacute/chronic toxicity:

Signs and symptoms of excessive exposure may be narcotic effects.

Further information:

Excessive exposure may cause eye and respiratory irritation.

12. Ecological information

German „Wassergefährdungsklasse“ WGK 0

13. Disposal considerations

Recommendations:

Take to a special waste incineration plant, in line with local Regulations.

14. Transport information

Transport at land (GGVS/GGVE)

GGVS/E Class: 2
Cipher: 5 F
Kemler-Zahl: -
UN-No: 1950
Packing group: II
Overland statement: FI

Transport at sea (IMDG/GGVSee):

IMDG/GGVSee-Class: 2
Cipher: 5F
IMDG-Code page: 2102
UN-No: 1950
EMS-Nummer: 2-13
MFAG: 620
Marine pollutant : -

Air transport (ICAO-TI and IATA-DGR):

ICAO/IATA-Class: 2.1
UN/ID-No: 1950
Packing group: II
Labels: Aerosols, flammable



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15. Regulatory information

This product requires classification according to the criteria of the EC and the „Gefahrstoffverordnung“

Hazard designation:

F+ Extremely flammable.

Risk phrases:

R 12 Extremely flammable

Safety phrases:

S 9 Keep container in a well-ventilated place

S 16 Keep away from sources of ignition – No smoking

16. Other information

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use. Do not spray on a naked flame or incandescent material. Keep out of the reach of children

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.