

**SAFETY DATA SHEET**  
According to regulation (EC) 1907/2006Date: 02/10/2012  
Version: 02**1. IDENTIFICATION OF THE PRODUCT AND OF THE DISTRIBUTOR**

Name of the product's Security Data File

SEH003800.IN.02

Name of the product:

SEH003800 - CAMPING 250 GAS CARTRIDGE

Other product description or identification:

For use only in portable gas appliances

Class 2.1 Flammable gas:

UN2037

Proper Shipping Name:

Gas(Butane) Cartridge

Identification of the Distributor:

SUPER-EGO TOOLS, S. L.U.

Ctra. Durango – Elorrio, Km 2

48220 Abadiano Vizcaya, Spain

Telephone number: + 34 946 210 100

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**2. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS**

Name of chemical	Trade names/Synonyms	CAS Number	EINECS Number	Approximate Weight %
propane	n-Propane	74-98-6	200-827-9	5- 7wt%
iso-butane	2-Methyl Propane	75-28-5	200-857-2	25-35wt%
n-butane	Butane, Liquefied Petroleum Gas	106-97-8	203-448-7	55-65wt%
The others				below 2wt%

**3. IDENTIFICATION OF THE POSSIBLE HAZARDS**

Hazards designation:

Information pertaining to particular dangers for man and environment

F+ Extremely flammable:

R 12 Extremely flammable

**4. FIRST AID**

Inhalation:

Remove from exposure immediately. Use a bag valve mask or similar devise to perform artificial respiration(rescue breathing) if needed. Get medical attention.

Skin contact:

Wash if needed. If frostbite, freezing, or cryogenic burns occur, warm affected area in warm water. If this is not available, gently wrap affected parts in blankets. Allow circulation to return naturally. Get medical attention immediately.

Eye contact:

Wash eyes immediately with large amount of water, occasionally lifting upper and lower lids, until no evidence of chemical remains. Continue irrigating with normal saline until ready to transport to hospital. Cover with sterile bandages. Get medical attention immediately.

Ingestion:

If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention, if needed.

**5. MEASURES TO FIGHT AGAINST FIRES**

Extinguishing Media:

Water Fog, Standard form, Special Alcohol-stable foam, Carbon Dioxide-CO<sub>2</sub>, Dry Chemical

Special Firefighting Procedures:

Use Equipment or Shielding required to protect personnel against bursting, rupturing or venting containers. Do not heat container. Store below 110°F in a Ventilated area.

Unusual Fire and Explosion Hazards:

At elevated temperatures(over 54°C/130°F) CRV of containers will be operated, but rapidly excess heating or fire will be caused burst or rupture of a container.

Danger:

Extremely Flammable. Do not use near fire or flame.

**6. MEASURES WHICH MUST BE TAKEN IN THE EVENT OF ACCIDENTAL SPILLAGE OR DISPERSION**

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

Measures for cleaning/collecting:

Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

**7. HANDLING AND STORAGE**Handling:

Information for safe handling:

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Use only in well ventilated areas.

Information about fire-and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away-Do not smoke.

Storage:

Requirement to be met by storerooms and receptacles:

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

Further information about storage conditions:

Protect from heat and direct sunlight.

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## iso-Butane:

800ppm(1900 mg/m<sup>3</sup>) ACGIH TWA  
800ppm(1900 mg/m<sup>3</sup>) NIOSH recommended TWA 10 hour(s)

## Liquified Petroleum Gas(LPG):

1000ppm(1800 mg/m<sup>3</sup>) OSHA TWA  
1000ppm(1800 mg/m<sup>3</sup>) ACGIH TWA  
1000ppm(1800 mg/m<sup>3</sup>) NIOSH recommended TWA

## n-Butane:

800ppm(1800 mg/m<sup>3</sup>) OSHA TWA(vacated by 58 FR 35338,  
June 30, 1993)Ventilation:

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.

Eye protection:For the gas: Eye protection not required, but recommended.  
For the liquid: Wear splash resistant safety goggles. Contact lenses should not be worn. Provide an emergency eye wash fountain and quick drench shower inClothing:For the gas: Protective clothing is not required.  
For the liquid: Wear appropriate protective, cold insulating clothing.

Gloves: Wear insulated gloves.

Respirator:

Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

For Unknown Concentrations or Immediately Dangerous to life or health-any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.  
Any self-contained breathing apparatus with a full facepiece.**9. PHYSICAL-CHEMICAL PROPERTIES**

Flash point (minimum):	-60°C (-76°F)
Flammable limits in air (vol. %@21°C/70°F)	LEL-UEL=1.9-8.5
95% Boiling point @101.3Kpa(760mmhg):	Below 2°C (35.6°F)
Specific Gravity/Density (vs. Water @ 4°C/39.2°F):	0.60 mg/m <sup>3</sup>
Vapor pressure maximum (21°C/70°F):	2.5kg/cm <sup>2</sup> (35.6 Psig)
Percent volatiles (ambient/21°C/70°F):	not applicable
Vapor density vs. Air=1 (15-32°C/60-90°F):	Heavier > 1.0
Evaporation rate (vs. n-Butyl Acetate=1):	not applicable
Solubility in Deionized Water (Weight% @ 10°C/50°F)	Negligible <0.1% by wt%
Appearance and Odor	Clear & odorant added

**10. STABILITY AND REACTIVITY**Chemical stability:

Stable at normal temperatures and pressure.

Incompatibility:

Oxidizing materials

Hazardous decomposition products (from burning, welding, oxidation, high temperature):

Oxides of carbon

Hazardous polymerization:

Will not polymerize.

Conditions to avoid:

Avoid heat, flames, sparks and other sources of ignition.  
Minimize contact with material. Containers may rupture or exposed to heat.**11. TOXICOLOGICAL INFORMATION**iso-Butane:Toxicity Data:

57pph/15 minute(s) inhalation-rat LC50

Local Effects:

Irritant: inhalation

Acute Toxicity Level:

Relatively Non-toxic: inhalation

Target Organs:

Central nervous system

Additional Data:

Stimulants such epinephrine may induce ventricular fibrillation.

n-Butane:Toxicity Data:658mg/m<sup>3</sup>/4 hour(s) inhalation-rat LC50Acute Toxicity Level:

Relatively Non-toxic: inhalation

Target Organs:

Central nervous system

Additional Data:

Stimulants such as epinephrine may induce ventricular fibrillation

**12. ECOLOGICAL INFORMATION**

Not available

**13. CONSIDERATIONS REGARDING ITS ELIMINATION**Recommendation:

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue:

Packaging containing residues of or contaminated by dangerous substances.

Recommendation:Dispose in accordance with all applicable regulations.  
U.S. EPA 40 CFR 262. Hazardous Waste Numer(s): D001



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**14. INFORMATION REGARDING TRANSPORT**

Maritime transport IMDG:

IMDG Class: 2.1  
UN Number 2037  
Packaging Group: -  
Marine Pollutant: NO  
Proper Shipping Name: Gas (Butane) Cartridge

**15. INFORMATION REGARDING THE REGULATION**

Labelling according to EC guidelines:

The product has been classified and marked in accordance with EC Directives/Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

F+ Extremely flammable.

Risk phrases:

12 Extremely flammable.  
10 Flammable.  
11 Highly flammable  
12 Extremely flammable  
18 In use, may form flammable/explosive vapour-air mixture

Safety phrases:

2 Keep out of the reach of children.  
3 Keep in a cool place.  
33 Take precautionary measures against static discharges.  
46 If swallowed, seek medical advice immediately and show this container or label.  
51 Use only in well-ventilated areas.

**16. ADDITIONAL INFORMATION**

Precautions to be taken in Handling and Storage:

Keep out of reach of Children. Do not expose to heat or store at temperature Above 110

°F keep contents at temperature above 32°F

Other Precautions:

Use in well-ventilated area.

Special Precautionary Statements:

Please read and follow the directions on the product label. they are your best guide to using this product in the most effective way and give the necessary safety precautions to protect your health.