

RIMAC SISAB AB	MATERIAL SAFETY DATA SHEET	Revision: 1.0
	MIXGAS 503498	Date: 08/11/2011

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

Product name:	RIMAC Butane Propane Mixed Gas art nr. 503498, 330g, 600ml
Supplier:	Sievert AB
Address:	Box 197 541 24 Skövde Sverige
Telephone number:	0500-41 51 00 (kontorstid)
E-mail:	info@sisab.info

2. HAZARDS IDENTIFICATION



Danger

Symbolscodes:	H 220
Signal Words:	Danger
Hazard statements:	H 220: Extremely flammable

Precautionary statements

- **Prevention:** **P 102:** Keep out of the reach for children
- **Response:** **P 220:** Keep away from sources of ignition - No smoking
- **Storage:** **P 403:** Keep container in a well-ventilated place.

Gas cartridge - do not expose to temperatures exceeding 50°C, protect from direct sunlight.
 Assemble or dismantle cartridge from appliance outdoors only, free from ignition sources.
 Gas cartridge - store in a cool dry place.
 Large gas leak in non-ventilated areas could cause lack of oxygen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	EINECS-no	CAS-no	Weight %	Hazard symbol/R-wording
Butane	203-448-7	106-97-8	65%	H 220
Propane	200-827-9	74-98-6	35%	H 220

4. FIRST-AID MEASURES

Inhalation:	Supply fresh air, consult doctor in case of complaints.
Skin contact:	Generally the product does not irritate the skin. If frostbite occur, flush with lukewarm (20-30°C) water. DO NOT USE HOT WATER. Contact doctor.
Eye contact:	Rinse opened eye for 15 minutes under running luke warm (20-30°C) water. Contact doctor if any symptoms remain.
Ingestion:	If symptoms persist consult doctor.

5. FIRE-FIGHTING MEASURES

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Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water, water with fully jet.

Protective equipment: No special measures required.

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6. ACCIDENTAL RELEASE MEASURES

Person related safety precautions:	Wear protective equipment. Keep unprotected persons away. Keep ignition sources away.
Measurements for environmental protection:	No special measures required.
Measures for cleaning/collecting:	Ensure good ventilation. Do not flush with water or aqueous cleansing agents.

7. HANDLING AND STORAGE

Information for safe handling:	Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
Information about fire - and explosion protection:	Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Pressurized container, protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material.
Requirements to be met by storerooms and receptacles:	Store in a cool and well-ventilated location. Observe official regulations on storing packaging with pressurized container.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	Keep receptacle tightly sealed. Store in cool, dry condition. Protect from heat and direct sunlight.
Class according to regulation on flammable liquids:	Void.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities:	No further data, see item 7.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquefied gas	Danger of explosion:	Product does not present an explosion hazard.
Colour:	Colourless	Explosion limit:	1,5 – 10,9 vol %
Odour:	Characteristics	Vapor pressure at 20°C:	4,01 bar
Boiling point:	-44°C.	Density at 20°C:	0,550 Kg/m ³
Flash point:	<0°C	Solubility in water/grease:	Not miscible or difficult to mix.
Ignition temperature:	365°C	Organic solvents:	100%
Self ignition:	Product is not self-igniting.		

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Risks at inhalation: Propane/butane is a gas slightly narcotic and may in highly concentrated form irritate mucous membranes and cause suffocation. The suffocation effect is proportional to the decrease of the partial pressure of the oxygen in the inhalation air obtained at a mixture of propane/butane and air. When the oxygen content has decreased to three fourths or less of the normal content asphyxia occurs. The body interprets this as a lack of oxygen and reacts (at concentrations of 50 vol.-% propane/butane in air) with pronounced symptoms of suffocation in the form of difficulty to breath and hyperventilation simultaneously with deteriorated reaction ability and impaired muscle co-ordination. More serious cases (at concentrations of 75 vol.-% propane/butane in air) may end in unconsciousness and death.

Risks at contact: Propane/butane in liquefied or gaseous form may cause serious frostbites on skin or eyes. If propane/butane in liquefied form gets into contact with objects of a higher temperature than the liquid itself it results in fierce boiling and splashing.

12. ECOLOGICAL INFORMATION

General note: Generally not hazardous for water.

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13. DISPOSICAL CONSIDERATIONS

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Product to be deposited at suitable recirculation place, according to official regulations.

EWC code: 16 05 05. Gases in pressure containers other than those mentioned in 16 05 04.

14. TRANSPORT INFORMATION

Land transport ADR / RID (Car and Train)

Class: 2

UN-Number: 1950

Classification code: 5F

Label: 2.1

Description of goods: 1950 AEROSOLS flammable, LQ

Marin transport IMDG

Class: 2

UN-Number: 1950

Marine pollutant: No

Proper shipping name: 1950 AEROSOLS flammable, LQ

Air transport ICAO / IATA

Class: 2

UN-Number: 1950

Label: 2.1

Proper shipping name: 1950 AEROSOLS flammable, LQ

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15. REGULATORY INFORMATION

Labelling conform No 1272/2008 (CLP)

Symbol:



Danger

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Precautionary statements	Prevention: P 102: Keep out of the reach for children Response: P 220: Keep away from sources of ignition - No smoking Storage: P 403: Keep container in a well-ventilated place.

FLAMMABLE GAS UNDER PRESSURE

Protect from direct sunlight. Do not expose to temperatures exceeding 50°C (120°F). Keep out of reach of children. For use with Sievert appliance only. Follow strictly the instructions for use supplied with the appliance. **WARNING: DO NOT REFILL.** Do not puncture/pierce or incinerate even after use. Changing the cartridge: assemble or dismantle cartridge from appliance outdoors only, free from ignition sources. Close the appliance valve. Remove the appliance from the cartridge. Replace the connection seal if it is damaged or lost. Avoid cross threading. Screw the down hand tight only. Store in cool dry place. Discard in a safe place. This cartridge complies with EN 417.

16. OTHER INFORMATION

This information gives the health, safety and environmental aspects of the product based on current knowledge. The information given above is based on our current knowledge of this product. The purpose of this information is to describe the product in the light of the requirements imposed with regard to health, safety and the environment in accordance with 67/548/EEG, 1999/45/EG and 76/769/EEG.