

# SAFETY DATA SHEET

## SERVISOL BUTANE REFILL

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**PRODUCT NAME:** SERVISOL BUTANE REFILL

**PART No.:** 100024000

**MANUFACTURER:** Ambersil Ltd.  
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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
HYDROCARBON AEROSOL PROPELLANT		68476-85-7	60-100 %	Fx	

The full text for all R-phrases are shown in section 16.

**COMPOSITION COMMENTS:** Risk phrases in this section apply only to individual constituents and not the finished preparation.

### 3 HAZARDS IDENTIFICATION

Extremely flammable.

### 4 FIRST AID MEASURES

**INHALATION:** Remove from exposure, rest and keep warm. Seek medical attention if irritation persists.

**INGESTION:** DO NOT induce vomiting. Seek medical attention immediately and show this safety data sheet.

**SKIN:** If contact with liquid flush immediately with water. Seek medical attention if irritation persists.

**EYES:** In case of contact with eyes, rinse with water until irritation subsides. If irritation persists, seek medical attention.

### 5 FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Powder, foam or CO<sub>2</sub>.

**PROTECTIVE MEASURES IN FIRE:** In the event of fire protect against exploding cans. Water spray may be used to cool aerosol cans.

### 6 ACCIDENTAL RELEASE MEASURES

**SPILL CLEANUP METHODS:** This product is a hermetically sealed pressurised aerosol unit and accidental spillage is unlikely. If can is ruptured, allow contents to discharge in situ, whilst removing all ignition sources from the area and ensuring maximum ventilation. Use an absorbent material, eg sand, to mop up residues. See section 13 'Disposal Considerations'.

### 7 HANDLING AND STORAGE

**USAGE PRECAUTIONS:** Do not spray on a naked flame or any incandescent material.

# SERVISOL BUTANE REFILL

## STORAGE PRECAUTIONS:

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. It is recommended that aerosols are stored in their own location away from bulk flammable liquids and packaging materials. Store in a cool, dry place away from heat and ignition sources.

## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
HYDROCARBON AEROSOL PROPELLANT	68476-85-7	OES.	400 ppm	400 ppm

**INGREDIENT COMMENTS:** OES = Occupational Exposure Standard.  
**VENTILATION:** Ensure adequate ventilation.  
**HYGIENIC WORK ROUTINES:** PERSONAL PROTECTION: Wear personal protective equipment appropriate to the task.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL DATA COMMENTS:** Not applicable - Product is a hermetically sealed aerosol unit.

## 10 STABILITY AND REACTIVITY

**STABILITY:** There are no known stability problems associated with this product when stored and used under the conditions recommended.  
**MATERIALS TO AVOID:** Strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion will generate: oxides of carbon.

## 11 TOXICOLOGICAL INFORMATION

**HEALTH HAZARDS, GENERAL:** An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this product. Health hazards associated with aerosols are considered to be limited due to their hermetically sealed nature.  
**INHALATION:** High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.  
**INGESTION:** Extremely harmful. Freezing liquid can cause serious injury.  
**SKIN:** Harmful - may cause cold burns.  
**EYES:** Harmful - may cause cold burns.

## 12 ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** An ecotoxicity study of this product has not been conducted. However, this product contains no substances which are classified as dangerous for the environment.

## 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS:** Recycle empty containers if facilities are available. Dispose of in accordance with local authority recommendations.

## 14 TRANSPORT INFORMATION

<b>ROAD:</b>			
<b>UN No:</b>	1950	<b>ADR CLASS No:</b>	2
<b>ADR PACK GR:</b>	5F	<b>PROPER SHIPPING NAME I:</b>	AEROSOLS
<b>RAIL:</b>			
<b>SEA:</b>			
<b>UN SEA:</b>	1950	<b>SEA TRANSPORT CLASS No:</b>	2.1

# SERVISOL BUTANE REFILL

AIR:  
UN AIR:

1950

AIR TRANSPORT CLASS No: 2.1

## 15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



EXTREMELY FLAMMABLE

<b>RISK PHRASES:</b>	R-12	Extremely flammable.
<b>SAFETY PHRASES:</b>	S-16	Keep away from sources of ignition - No Smoking.
	S-2	Keep out of reach of children.
	S-23	Do not breathe gas/fumes/vapour/spray.
	S-51	Use only in well ventilated areas.
<b>UK REGULATORY REFERENCES:</b>	Chemicals (Hazard Information & Packaging) Regulations.	

## 16 OTHER INFORMATION

**USER NOTES:** The purpose of the above information is to describe this product only in terms of Health and Safety requirements. The information given therefore, should not be construed as guaranteeing specific properties or specification. Customers should satisfy themselves as to the suitability and completeness of this information for their own particular use, bearing in mind any other Health and Safety legislation or regulations. The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is construed as a warranty or representation. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

**INFORMATION SOURCES:** British Aerosol Manufacturers Association Code of Practice.  
HSE EH40 Occupational Exposure Limits.  
Suppliers health & safety data sheets.

**REVISION DATE:** 06.04.04

**REVISION No. /REPLACES SDS ISSUED:** 1

**DATE:** 18.09.2003

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## Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

**Productname :** SERVISOL BUTANE REFILL      **Creationdate :** 15.02.08  
**Ref.Nr.:** UK20043-3-150208                      **Replaces:** 06.04.07

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Productname :** SERVISOL BUTANE REFILL  
 Aerosol

**Application :** Speciality

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### 2. HAZARD IDENTIFICATION

**Health and Safety :** Extremely Flammable  
**Other hazards :** Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.

### 3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%)	68512-91-4	270-990-9	60-100	F+	12	K

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
<b>Explanation notes</b>						
K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8)						

(\* Explanation risk-phrases : see chapter 16)

#### 4. FIRST AID MEASURES

<b>General Advice :</b>	The usual precautions for handling chemicals should be observed If any symptoms should occur, seek medical advice.
<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with plenty of water
<b>Contact with skin :</b>	Wash with water and soap.
<b>Inhalation :</b>	Fresh air, keep warm and at rest.
<b>Ingestion :</b>	Ingestion is unlikely to occur If swallowed accidentally, do not induce vomiting and seek medical advice.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point (without propellant):</b>	not available
<b>Explosion limits : upper limit :</b>	not available
<b>lower limit :</b>	not available
<b>Extinguishing media :</b>	foam, carbon dioxide or dry agent
<b>Fire-fighting procedures :</b>	Keep container(s) exposed to fire cool, by spraying with water
<b>Unusual exposure hazard :</b>	Aerosols may explode if heated above 50°C

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions :</b>	Shut off all ignition sources Ensure adequate ventilation
<b>Environmental precautions :</b>	Do not allow to enter public sewers and watercourses
<b>Cleaning methods :</b>	Absorb spillage in suitable inert material

#### 7. HANDLING AND STORAGE

<b>Handling procedures :</b>	Use only in well ventilated areas Do not pierce or burn aerosols, even after use. Do not spray on a naked flame or incandescent material. Do not breathe aerosols or vapours. Avoid contact with skin and eyes.
<b>Storage procedures :</b>	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep in a cool, dry, well ventilated place Keep out of reach of children.

#### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

<b>Control procedures :</b>	Ensure adequate ventilation
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<b>Personal protection :</b>	Keep away from heat and sources of ignition It is advisable to take precautions to avoid contact with skin and eyes when handling the product. Use only in well ventilated areas
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>hands and skin :</b>	Wear suitable protective gloves
<b>eyes :</b>	Wear safety goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

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<b>Apperance : physical state :</b>	liquified gas
<b>colour :</b>	colourless
<b>odour :</b>	Characteristic odour
<b>Boiling point/range :</b>	not available
<b>Relative density :</b>	not available
<b>pH :</b>	not available
<b>Vapour pressure :</b>	not available
<b>Relative vapour density :</b>	not available
<b>Solubility in water :</b>	Partly soluble in water
<b>Flash point :</b>	not available
<b>Auto-ignition :</b>	not available
<b>Viscosity :</b>	not available
<b>Evaporation rate :</b>	not available

## 10. STABILITY AND REACTIVITY

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<b>Conditions to be avoided :</b>	Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition No hazardous reactions known if used for its intended purpose
<b>Materials to be avoided :</b>	Strong oxidising agent
<b>Hazardous decomposition compounds :</b>	carbon oxides

## 11. TOXICOLOGICAL INFORMATION

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<b>Inhalation :</b>	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	Ingestion is unlikely to occur Harmful if swallowed.
<b>Skin contact :</b>	In case of contact with liquid product frostbite symptoms may occur.
<b>Eye contact :</b>	In case of contact with liquid product frostbite symptoms may occur.
<b>Other information:</b>	No experimental data available

## 12. ECOLOGICAL INFORMATION

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<b>Other adverse effects :</b>	Do not allow to enter public sewers and watercourses
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No experimental data available

### 13. WASTE DISPOSAL

**National regulations :** Disposal should be in accordance with local, state or national legislation

### 14. TRANSPORT

**UN-number :** 1950  
**Road/Rail - ADR/RID :** UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1  
**Sea - IMDG :** UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1  
**EmS** F-D,S-U  
**Air - IATA/ICAO :** UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG  
**Packing instr. LQ** Y203  
**PAX** 203  
**CAO** 203

### 15. REGULATORY INFORMATION

**Warning symbol(s) :** F+  
**Risk-phrase(s) :** R12: Extremely flammable.  
**Safety-phrase(s) :** S2: Keep out of the reach of children.  
 S16: Keep away from sources of ignition - No smoking.  
 S51: Use only in well-ventilated areas.

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 any incandescent material.

### 16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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