

## Safety Data Sheet

according to UK REACH Regulation

### WhirlpoolrohrReiniger

Revision date: 26.07.2017

Product code: LC42

Page 1 of 10

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

WhirlpoolrohrReiniger

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Lubricant, lubricants and release products

### 1.3. Details of the supplier of the safety data sheet

Company name:	SANIT-Chemie	
	Reinigungsmittel und -geräte GmbH	
Street:	Dieselstr. 38	
Place:	D-74211 Leingarten	
Telephone:	+49 7131 902100	Telefax: +49 7131 404360
e-mail:	info@sanit-chemie.de	
Contact person:	Produktmanagement	Telephone: 07131 90210-20
Internet:	www.sanit-chemie.de	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Aerosol 1; H222-H229

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

Signal word: Danger

Pictograms:



#### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

#### Precautionary statements

P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### Special labelling of certain mixtures

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 on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**Safety Data Sheet**

according to UK REACH Regulation

**WhirlpoolrohrReiniger**

Revision date: 26.07.2017

Product code: LC42

Page 2 of 10

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
111-76-2	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve			5 - < 10 %
	203-905-0	603-014-00-0		
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H302 H315 H319			
106-97-8	butane			25 - 50 %
	203-448-7	601-004-00-0		
	Flam. Gas 1; H220			
74-98-6	propane			10 - 25 %
	200-827-9	601-003-00-5		
	Flam. Gas 1; H220			
	Nichtionische Tenside			1 - < 5 %
			02-2119552461-55	
	Acute Tox. 4, Eye Dam. 1; H302 H318			
75-28-5	isobutane			25 - 50 %
	200-857-2	601-004-00-0		
	Flam. Gas 1; H220			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
111-76-2	203-905-0	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	5 - < 10 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: ATE 1200 mg/kg	
106-97-8	203-448-7	butane	25 - 50 %
		inhalation: LC50 = 273000 ppm (gases)	
		Nichtionische Tenside	1 - < 5 %
		oral: LD50 = 500-2000 mg/kg Eye Dam. 1; H318: >= 10 - 100	

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**General information**

If victim is at risk of losing consciousness, position and transport on their side. First aider: Pay attention to self-protection! Seek medical attention if problems persist.

**After inhalation**

Provide fresh air. Move victim to fresh air. Put victim at rest and keep warm. Where appropriate artificial ventilation.

## Safety Data Sheet

according to UK REACH Regulation

### WhirlpoolrohrReiniger

Revision date: 26.07.2017

Product code: LC42

Page 3 of 10

#### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use force or solvents to remove product incrustations from affected skin areas.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

#### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

#### 4.2. Most important symptoms and effects, both acute and delayed

drowsiness.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder. Suitable extinguishing media: Water. Foam. Extinguishing powder. D: Burning metals.

##### Unsuitable extinguishing media

Water. High power water jet. Carbon dioxide (CO<sub>2</sub>).

#### 5.2. Special hazards arising from the substance or mixture

Extremely flammable aerosol. Vapours can form explosive mixtures with air. Extremely flammable aerosol (H222).

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing. Remove heat to avoid pressure rise.

#### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General advice

Remove all sources of ignition. Remove all sources of ignition. Use non-sparking tools. Provide adequate ventilation. In case of fire and/or explosion do not breathe fumes. Wear protective gloves/protective clothing/eye protection/face protection. Use appropriate respiratory protection.

#### 6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion Do not allow to enter into soil/subsoil. Accumulation in closed or lower lying rooms signifies heightened risk of fire or explosion. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### 6.3. Methods and material for containment and cleaning up

##### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation. Do not allow to enter into surface water or drains. Treat the recovered material as

**Safety Data Sheet**

according to UK REACH Regulation

**WhirlpoolrohrReiniger**

Revision date: 26.07.2017

Product code: LC42

Page 4 of 10

prescribed in the section on waste disposal. Collect in closed containers for disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage**
**7.1. Precautions for safe handling**
**Advice on safe handling**

Do not pierce or burn, even after use. Use only in well-ventilated areas. Keep container tightly closed in a cool, well-ventilated place.

**Advice on protection against fire and explosion**

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air. Concentrated vapours are heavier than air. Vapours may form explosive mixtures with air. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Do not open container by force. Do not spray on naked flames or any incandescent material.

**Advice on general occupational hygiene**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.

**7.2. Conditions for safe storage, including any incompatibilities**
**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed in a cool, well-ventilated place. Keep container tightly closed and dry.

**Hints on joint storage**

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

**7.3. Specific end use(s)**

Lubricant, lubricants and release products

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

**Safety Data Sheet**

according to UK REACH Regulation

**WhirlpoolrohrReiniger**

Revision date: 26.07.2017

Product code: LC42

Page 5 of 10

**8.2. Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation of the storage area.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection**

Wear eye/face protection. Tightly sealed safety glasses.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves are to be worn: PE (polyethylene). PVA (Polyvinyl alcohol). Unsuitable material: NBR (Nitrile rubber). Butyl rubber. CR (polychloroprenes, Chloroprene rubber). Thickness of glove material: 0,65 mm Breakthrough times and swelling properties of the material must be taken into consideration. penetration time (maximum wearing period): 1h

**Skin protection**

Flame-retardant protective clothing. Wear anti-static footwear and clothing Only wear fitting, comfortable and clean protective clothing.

**Respiratory protection**

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Self-contained respirator (breathing apparatus)

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	Aerosol	
Colour:	colourless	
Odour:	characteristic	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability		
Solid/liquid:		not applicable
Gas:		not applicable
Lower explosion limits:		1,4 vol. %
Upper explosion limits:		10,80 vol. %
Flash point:		-80 °C
Auto-ignition temperature:		>200 °C
Decomposition temperature:		not determined
pH-Value:		not determined
Water solubility:		slightly soluble

## Safety Data Sheet

according to UK REACH Regulation

### WhirlpoolrohrReiniger

Revision date: 26.07.2017

Product code: LC42

Page 6 of 10

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

not determined

Vapour pressure:

not determined

Density:

0,837 g/cm<sup>3</sup>

Relative vapour density:

not determined

#### **9.2. Other information**

##### **Information with regard to physical hazard classes**

Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Oxidizing properties

Not oxidising.

##### **Other safety characteristics**

Evaporation rate:

not determined

Solid content:

not determined

### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

Extremely flammable aerosol. Vapours may form explosive mixtures with air.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

Caution! Container under pressure. Contains gas under pressure; may explode if heated.

#### **10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source.

#### **10.5. Incompatible materials**

Acid, concentrated.

#### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

### **SECTION 11: Toxicological information**

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

**Safety Data Sheet**

according to UK REACH Regulation

**WhirlpoolrohrReiniger**

Revision date: 26.07.2017

Product code: LC42

Page 7 of 10

**Acute toxicity**

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
111-76-2	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve					
	oral	ATE 1200 mg/kg				
	inhalation vapour	ATE 11 mg/l				
	inhalation dust/mist	ATE 1,5 mg/l				
106-97-8	butane					
	inhalation (4 h) gas	LC50 273000 ppm	Rat	GESTIS		
	Nichtionische Tenside					
	oral	LD50 500-2000 mg/kg	Rat	OECD 423		

**Sensitising effects**

no danger of sensitization.

**11.2. Information on other hazards**
**Other information**

Has degreasing effect on the skin.

**SECTION 12: Ecological information**
**12.1. Toxicity**

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
111-76-2	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve					
	Acute fish toxicity	LC50 1490 mg/l	96 h	Lepomis macrochirus		
	Nichtionische Tenside					
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Leuciscus idus (golden orfe)		

**12.2. Persistence and degradability**

The product has not been tested.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
	Nichtionische Tenside				
	OECD 301E/ EEC 92/69/V, C.4-B	> 90%			

**12.3. Bioaccumulative potential**

The product has not been tested.

**Safety Data Sheet**

according to UK REACH Regulation

**WhirlpoolrohrReiniger**

Revision date: 26.07.2017

Product code: LC42

Page 8 of 10

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	0,81 (25°C)
106-97-8	butane	2,89
74-98-6	propane	2,36
75-28-5	isobutane	2,8

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**Contaminated packaging**

Completely emptied packages can be recycled.

**SECTION 14: Transport information**
**Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
 Hazard label: 2.1



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Transport category: 2  
 Tunnel restriction code: D

**Other applicable information (land transport)**

E0

**14.6. Special precautions for user**

Warning: Flammable gases.



**Safety Data Sheet**

according to UK REACH Regulation

**WhirlpoolrohrReiniger**

Revision date: 26.07.2017

Product code: LC42

Page 9 of 10

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 40

2010/75/EU (VOC): 81 % (677,97 g/l)

2004/42/EC (VOC): 81 % (677,97 g/l)

**Additional information**

Aerosol directive (75/324/EEC).

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**
**Abbreviations and acronyms**

 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data

**Relevant H and EUH statements (number and full text)**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

**Safety Data Sheet**

according to UK REACH Regulation

**WhirlpoolrohrReiniger**

Revision date: 26.07.2017

Product code: LC42

Page 10 of 10

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*