

SHOE CLEANER

Revision nr. 1

Dated 30/10/2018

Printed on 30/10/2018

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Safety data sheet

According to Annex II to REACH - Regulation 2015/830

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

AER9097 Code: **SHOE CLEANER** Product name

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

Intended use Cycling shoes cleaner.

Uses advised against: Different uses than those intended.

1.3. Details of the supplier of the safety data sheet

Name **WALBIKE Srl** Full address Via E. Fermi, 11 District and Country 20012 CUGGIONO (MI) **ITALY**

tel. +39 02 97240527

e-mail address of the competent person

responsible for the Safety Data Sheet msds@walbike.com

Product distribution by: Walbike Srl

1.4. Emergency telephone number

For urgent inquiries refer to +39 0297240527 during office hour 8.30-12.30 - 13.30-17.30

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 1 H222 Extremely flammable aerosol.

Pressurised container: may burst if heated. H229

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: **DANGER**

Hazard statements:

H222 Extremely flammable aerosol.

Pressurised container: may burst if heated. H229

Precautionary statements:

P102 Keep out of reach of children.

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. ΕN



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P251 P410+P412 Do not pierce or burn, even after use.

Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.

2.3 Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains: Identification PROPANE	x=Conc. %	Classification 1272/2008 (CLP)
CAS 74-98-6 EC 200-827-9	$10,0 \le x \le 12,5$	Flam. Gas 1 H220, Press. Gas (Liq.) H280, Note U
INDEX 601-003-00-5		
BUTANE		
CAS 106-97-8 EC 203-448-7	$3 \le x \le 5$	Flam. Gas 1 H220, Press. Gas (Liq.) H280, Note C U
INDEX 601-004-00-0		
3-BUTOXY-2-PROPANOL		
CAS 5131-66-8 EC 225-878-4	1 ≤ x ≤ 3	Eye Irrit. 2 H319, Skin Irrit. 2 H315
INDEX 603-052-00-8		
Reg. no. 01-211945527-28		
ISOBUTANE		
CAS 75-28-5 EC 200-857-2	1 ≤ x ≤ 3	Flam. Gas 1 H220, Press. Gas H280, Note C U
INDEX 601-004-00-0		
AMMONIA%		
CAS 1336-21-6 EC 215-647-6	$0,1 \le x \le 0,25$	Skin Corr. 1B H314, Aquatic Acute 1 H400 M=1, Note B

INDEX 007-001-01-2 Reg. no. 01-211948876-14

The full wording of hazard (H) phrases is given in section 16 of the sheet.

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants. Percentage of propellants max: 20,50 %.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.



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4.3. Indication of any immediate medical attention and special treatment needed Information for the doctor: symptomatically treatment.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

Storage class TRGS 510 (Germany): 2B

7.3. Specific end use(s)

Cycling shoes cleaner.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:



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BEL Belgique

Suisse / Schweiz

AR du 11/3/2002. La liste est mise à jour pour 2010

JORF n°0109 du 10 mai 2012 page 8773 texte n° 102

CHE Deutschland DEU

Valeurs limites d'exposition aux postes de travail 2014. / Grenzwerte am Arbeitsplatz

MAK-und BAT-Werte-Liste 2012

DNK Danmark **ESP** España

FIN

Graensevaerdier per stoffer og materialer INSHT - Límites de exposición profesional para agentes químicos en España 2015

HTP-arvot 2012. Haitallisiksi tunnetut pitoisuudet - Sosiaali- ja terveysministeriön julkaisuja

2012:5

FRA France **GBR**

United Kingdom

Suomi

Nederland NLD POL Polska

EH40/2005 Workplace exposure limits

Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r

TLV-ACGIH ACGIH 2016

			PRO	PANE		
Threshold Limit Value				STEL/15min		
Туре	Country	TWA/8h	TWA/8h			
		mg/m3	ppm	mg/m3	ppm	
MAK	CHE	1800	1000	7200	4000	
AGW	DEU	1800	1000	7200	4000	
MAK	DEU	1800	1000	7200	4000	
TLV	DNK	1800	1000			
HTP	FIN	1500	800	2000	1100	
NDS	POL	1800				
TLV-ACGIH			1000			

			BUTA	NE		
Threshold Limit Value Type	Country	TWA/8h		STEL/15min		
Турс	Country	mg/m3	ppm	mg/m3	nnm	
		mg/ms	ррпп	mg/ms	ppm	
VLEP	BEL		1000			SKIN
MAK	CHE	1900	800	7200	3200	
AGW	DEU	2400	1000	9600	4000	
MAK	DEU	2400	1000	9600	4000	
TLV	DNK	1200	500			
VLA	ESP		800			
HTP	FIN	1900	800	2400	1000	
VLEP	FRA	1900	800			
WEL	GBR	1450	600	1810	750	
OEL	NLD	1430				
NDS	POL	1900		3000		
TLV-ACGIH				2377	1000	

	3-BUTOXY-2-PROPANOL	
Predicted no-effect concentration - PNEC		
Normal value in fresh water	0,525	mg/l
Normal value in marine water	0,0525	mg/l
Normal value for fresh water sediment	2,36	mg/kg
Normal value for marine water sediment	0,236	mg/kg
Normal value for water, intermittent release	5,25	mg/l
Normal value of STP microorganisms	10	mg/l
Normal value for the terrestrial compartment	0,16	mg/kg



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Health - Derived no-effect level - DNEL / DMEL Effects on consumers					Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic	
Oral			VND	8,75 mg/kg				
Inhalation			VND	33,8 mg/m3			VND	270,5 mg/m3
Skin			VND	16 mg/kg			VND	44 mg/kg

AMMONIA%

Туре	Country	TWA/8h STEL/15min						
		mg/m3	ppm	mg/m3	ppm			
TLV-ACGIH		17	25	24	35			
Predicted no-effect concent	ration - PNEC							
Normal value in fresh water				0,0011	n	ng/l		
Normal value in marine water	er			0,0011	n	ng/l		
Health - Derived no-eff	ect level - DNEL /	DMEL						
	Effects on co	nsumers			Effects on w	orkers		
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Chronic local	Acute local	Acute systemic	Chronic systemic

VND

36 mg/m3

Leaend:

Inhalation

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

TLV of solvent mixture: 17 mg/m3

8.2. Exposure controls

Threshold Limit Value

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

HAND PROTECTION

None required.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type K filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance foam Colour white Odour characteristic Odour threshold Not available Not available рΗ Melting point / freezing point Not available Initial boiling point Not available Boiling range Not available Flash point < 0 °C

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Evaporation Rate Not available Not available Flammability of solids and gases Lower inflammability limit Not available Upper inflammability limit Not available Lower explosive limit Not available Upper explosive limit Not available Vapour pressure Not available

Vapour density Not available Relative density 0.990 - 1.110 kg/l

Solubility in water: total; in aceton: partial Partition coefficient: n-octanol/water Not available Auto-ignition temperature Not available Decomposition temperature Not available

Viscosity Not available Explosive properties Not available Not available Oxidising properties

9.2. Other information

VOC (Directive 2010/75/EC): 23,50 %

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

AMMONIA%

Corrodes: aluminium, iron, zinc, copper, copper alloys.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

AMMONIA%

Risk of explosion on contact with: strong acids, iodine. May react dangerously with: strong bases.

10.4. Conditions to avoid

Avoid overheating.

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

AMMONIA%

Incompatible with: silver, silver salts, lead, lead salts, zinc, zinc salts, hydrochloric acid, nitric acid, oleum, halogens, acrolein, nitromethane, acrylic acid.

10.6. Hazardous decomposition products

AMMONIA%

May develop: nitric oxide.

SECTION 11. Toxicological information

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information Information not available.

Information on likely routes of exposure

Information not available.



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Delayed and immediate effects as well as chronic effects from short and long-term exposure Information not available.

Interactive effects

Information not available.

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: LD50 (Oral) of the mixture: LD50 (Dermal) of the mixture:

AMMONIA% LD50 (Oral)

3-BUTOXY-2-PROPANOL LD50 (Oral) LD50 (Dermal) LC50 (Inhalation)

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class.

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class.

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class.

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class.

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class.

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class.

SECTION 12. Ecological information

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1. Toxicity

AMMONIA%

LC50 - for Fish 47 mg/l/96h Channa punctata EC50 - for Crustacea 20 mg/l/48h Daphnia magna

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Not classified (no significant component) Not classified (no significant component) Not classified (no significant component)

350 mg/kg Rat

3300 mg/kg Rat > 2000 mg/kg Rat > 3,4 mg/kg Rat



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3-BUTOXY-2-PROPANOL

LC50 - for Fish > 560 mg/l/96h Poecilia reticulata
EC50 - for Crustacea > 1000 mg/l/48h Daphnia magna

12.2. Persistence and degradability

AMMONIA%

Rapidly degradable.

BUTANE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable.

3-BUTOXY-2-PROPANOL

Solubility in water 52000 mg/l

Rapidly degradable.

PROPANE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable.

12.3. Bioaccumulative potential

AMMONIA%

Partition coefficient: n-octanol/water 0,23

BUTANE

Partition coefficient: n-octanol/water 1,09

3-BUTOXY-2-PROPANOL

Partition coefficient: n-octanol/water 1,2

PROPANE

Partition coefficient: n-octanol/water 1,09

12.4. Mobility in soil

Information not available.

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: 1950

14.2. UN proper shipping name

ADR / RID: **AEROSOLS** IMDG: **AEROSOLS**

IATA: AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

Class: 2 Label: 2.1 IATA:



14.4. Packing group

ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID: NO IMDG: NO IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: --Limited Quantities: 1 L Tunnel restriction code: (D)

Special Provision: -

IMDG: EMS: F-D, S-U Limited Quantities: 1 L

IATA: Cargo: Maximum quantity: 100 Kg Packaging instructions: 130 Pass.: Maximum quantity: 25 Kg Packaging instructions: 130

> A802 Special Instructions:

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Information not relevant.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: P3a



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Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 40

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisarion (Annex XIV REACH)

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:

Substances subject to the Stockholm Convention:

None.

Healthcare controls

Information not available.

German regulation on the classification of substances hazardous to water (VwVwS 2005)

WGK 1: Low hazard to waters

15.2. Chemical safety assessment

No chemical safety assessment for the mixture was carried out.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Gas 1 Flammable gas, category 1

Aerosol 1 Aerosol, category 1 Aerosol 3 Aerosol, category 3 Press. Gas (Liq.) Liquefied gas Press. Gas Pressurised gas

Skin Corr. 1B Skin corrosion, category 1B Eye Irrit. 2 Eye irritation, category 2 Skin Irrit. 2 Skin irritation, category 2

Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1

H220 Extremely flammable gas. H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated. H280 Contains gas under pressure; may burst if heated. H314 Causes severe skin burns and eye damage.

H319

Causes serious eye irritation. H315 Causes skin irritation. H400 Very toxic to aquatic life.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)



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- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- **OEL: Occupational Exposure Level**
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament

- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.