

Safety Data Sheet



according to Regulation (EC) No 1907/2006

Buz® Laundry Bright

Print date: 21.05.2015

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

1.1. Product identifier

Buz® Laundry Bright

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

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

Bleaching agent

Process categories [PROC]: 1, 8

1.3. Details of the supplier of the safety data sheet

Company name: BUZIL-WERK Wagner GmbH & Co. KG

Street: Fraunhofer Str. 17

Place: D-87700 Memmingen

Telephone: +49 (0) 8331 930-6

Telefax: +49 (0) 8331 930-880

e-mail: labor@buzil.de

Internet: www.buzil.com

1.4. Emergency telephone number: +49 (0) 8331 / 930-730

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Oxidising liquid: Ox. Liq. 2

Organic peroxide: Org. Perox. G

Substance or mixture corrosive to metals: Met. Corr. 1

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1A

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May intensify fire; oxidiser.

May be corrosive to metals.

Harmful if swallowed or in contact with skin.

May cause respiratory irritation.

Causes severe skin burns and eye damage.

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

Hydrogen peroxide. Peracetic acid

Signal word: Danger

Pictograms: GHS03-GHS05-GHS07-GHS09



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Hazard statements

H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302+H312	Harmful if swallowed or in contact with skin.
H335	May cause respiratory irritation.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/containers in accordance with local and national regulations.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No		
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
231-765-0	Hydrogen peroxide	25 - < 30 %
7722-84-1		
008-003-00-9	Ox. Liq. 1, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Chronic 3; H271 H302 H332 H314 H412	
01-2119485845-22		
200-580-7	Acetic acid	5 - < 10 %
64-19-7		
607-002-00-6	Flam. Liq. 3, Skin Corr. 1A; H226 H314	
01-2119475328-30		
201-186-8	Peracetic acid	1 - < 5 %
79-21-0		
607-094-00-8	Flam. Liq. 3, Org. Perox. D, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Acute 1 (M-Factor = 1); H226 H242 H302 H312 H332 H314 H400	
01-2119531330-56		

Full text of H- and EUH-phrases: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

>= 30 % oxygen-based bleaching agents, < 5 % phosphonates.

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SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink plenty of water.

Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet

Carbon dioxide

Extinguishing powder

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Oxidising

5.3. Advice for firefighters

Emergency cooling must be provided for in case of a fire in the vicinity.

Additional information

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

Wear personal protection equipment (refer to section 8).

Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

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6.4. Reference to other sections

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

Avoid contact with skin, eyes and clothes.

Do not mix with other chemicals.

Wear personal protection equipment (refer to section 8).

When using do not eat, drink or smoke.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-19-7	Acetic acid	10	25		TWA (8 h)	EU
		15	37		STEL (15 min)	EU
7722-84-1	Hydrogen peroxide	1	1.4		TWA (8 h)	WEL
		2	2.8		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Take off contaminated clothing.

Wash hands before breaks and after work.

When using do not eat, drink or smoke.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

Suitable material: NBR (Nitrile rubber).

Breakthrough time (maximum wearing time) >480 min.

A survey of suitable brands with detailed information on breakthrough times is available upon request.

Skin protection

Wear suitable protective clothing.

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Respiratory protection

Use only in well-ventilated areas.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour:
Odour: characteristic

Test method

pH-Value (at 20 °C): ca. 2

Changes in the physical state

Melting point: -18 °C
Initial boiling point and boiling range: ca. 100 °C
Flash point: > 61 °C

Flammability

Solid: not applicable
Gas: not applicable
Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable
Gas: not applicable
Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: not determined
Density (at 25 °C): 1,12 g/cm³
Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient: not determined
Viscosity / dynamic:
(at 25 °C) < 10 mPa·s
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Oxidising, Oxidising.

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10.2. Chemical stability

May cause decomposition by long-term light influence.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Combustible substance, Alkali metals, Alkaline earth metal, Heavy metals, Metal powder, Acid, Base.

10.4. Conditions to avoid

May cause decomposition by long-term light influence.

10.5. Incompatible materials

Keep away from combustible material.

10.6. Hazardous decomposition products

Formation of: Oxygen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

ATEmix calculated

ATE (oral) 1571,3 mg/kg; ATE (inhalative aerosol) 4,934 mg/l

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7722-84-1	Hydrogen peroxide				
	oral	LD50 mg/kg	418 - 445	Rat	
	dermal	LD50	3000 mg/kg	Rat	GESTIS
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
64-19-7	Acetic acid				
	oral	LD50	3310 mg/kg	Rat	GESTIS
79-21-0	Peracetic acid				
	oral	LD50	1859 mg/kg	Rat	
	dermal	LD50	1147 mg/kg	Rat	
	inhalative (4 h) vapour	LC50	76 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		

SECTION 12: Ecological information

12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
7722-84-1	Hydrogen peroxide					
	Acute fish toxicity	LC50	16,4 mg/l	96 h	Pimephales promelas	IUCLID
	Acute algae toxicity	ErC50	0,88 mg/l	72 h	Chlorella vulgaris	
	Acute crustacea toxicity	EC50	7,7 mg/l	48 h	Daphnia pulex (water flea)	
64-19-7	Acetic acid					
	Acute crustacea toxicity	EC50	65 mg/l	48 h	Daphnia magna	Janssen et al
79-21-0	Peracetic acid					
	Acute fish toxicity	LC50	0,9 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute algae toxicity	ErC50	0,18 mg/l		Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	0,5 mg/l	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64-19-7	Acetic acid			
	OECD 301	>60%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-19-7	Acetic acid	-0,17

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 REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.
Delivery to an approved waste disposal company.

Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of contaminated packaging

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150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3149
14.2. UN proper shipping name: Hydrogen peroxide and Peracetic acid, Mixture, stabilized
14.3. Transport hazard class(es): 5.1
14.4. Packing group: II
Hazard label: 5.1+8
Classification code: OC1
Special Provisions: 196 553
Limited quantity: 1 L
Transport category: 2
Hazard No: 58
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 3149
14.2. UN proper shipping name: Hydrogen peroxide and Peracetic acid, Mixture, stabilized
14.3. Transport hazard class(es): 5.1
14.4. Packing group: II
Hazard label: 5.1+8
Classification code: OC1
Special Provisions: 196 553
Limited quantity: 1 L

Marine transport (IMDG)

14.1. UN number: UN 3149
14.2. UN proper shipping name: Hydrogen peroxide and Peracetic acid, Mixture, stabilized
14.3. Transport hazard class(es): 5.1
14.4. Packing group: II
Hazard label: 5.1+8
Special Provisions: 196
Limited quantity: 1 L
EmS: F-H, S-Q

Air transport (ICAO)

14.1. UN number: UN 3149
14.2. UN proper shipping name: Hydrogen peroxide and Peracetic acid, Mixture, stabilized
14.3. Transport hazard class(es): 5.1
14.4. Packing group: II
Hazard label: 5.1+8
Special Provisions: A96
Limited quantity Passenger: 0.5 L

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IATA-packing instructions - Passenger:	550
IATA-max. quantity - Passenger:	1 L
IATA-packing instructions - Cargo:	554
IATA-max. quantity - Cargo:	5 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

2010/75/EU (VOC): < 30%

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation)

National regulatory information

Water contaminating class (D): 2 - water contaminating

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%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 (Transfer): Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.

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H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H302+H312	Harmful if swallowed or in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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