

SAFETY DATA SHEET
BRILLO WASHING UP LIQUID

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name** BRILLO WASHING UP LIQUID**Product number** BWU1LTR, BWU5LTR**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Detergent. For full details regarding recommended uses please refer to the product label.**1.3. Details of the supplier of the safety data sheet****Supplier** SC Johnson Professional Ltd
Denby Hall Way
Denby
Derbyshire
DE5 8JZ
+44 (0) 1773 855100
info.prouk@scj.com**1.4. Emergency telephone number****Emergency telephone** National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)
National Poisons Information Centre (Eire) 01-8092566/8379964**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)****Physical hazards** Not Classified**Health hazards** Eye Irrit. 2 - H319**Environmental hazards** Not Classified**2.2. Label elements****Hazard pictograms****Signal word** Warning**Hazard statements** H319 Causes serious eye irritation.**Precautionary statements** P280 Wear eye protection.
P280 Wear protective gloves.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with national regulations.

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Detergent labelling 15 - < 30% anionic surfactants, < 5% perfumes, Contains 2-BROMO-2-NITROPROPANE-1,3-DIOL, LIMONENE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS	10-30%
CAS number: 68411-30-3 EC number: 270-115-0 REACH registration number: 01-2119489428-22-XXXX	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
ALCOHOLS, C12-14 ETHOXYLATED, SULFATES, SODIUM SALTS	1-10%
CAS number: 68891-38-3 EC number: 500-234-8 REACH registration number: 01-2119488639-16-xxxx	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
BRONOPOL (INN)	<1%
CAS number: 52-51-7 EC number: 200-143-0 REACH registration number: 01-2119980938-15-XXXX M factor (Acute) = 10	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	

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SODIUM HYDROXIDE		<1%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
Classification		
Met. Corr. 1 - H290		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting.
Skin contact	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Causes eye irritation.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Avoid discharge to the aquatic environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid contamination of ponds or watercourses with washing down water.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear appropriate clothing to prevent skin contamination. Avoid contact with skin and eyes. Avoid spilling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 0°C and 30°C.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Ingredient comments None.

BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS (CAS: 68411-30-3)

DNEL	Workers - Inhalation; Long term systemic effects: 12 mg/m ³ Workers - Inhalation; Long term local effects: 12 mg/m ³ Workers - Dermal; Long term systemic effects: 170 mg/kg/day General population - Inhalation; Long term systemic effects: 3 mg/m ³ General population - Inhalation; Long term local effects: 3 mg/m ³ General population - Oral; Long term systemic effects: 0.85 mg/kg/day
PNEC	- Fresh water; 0.268 mg/l - marine water; 0.0268 mg/l - Intermittent release; 0.0167 mg/l - STP; 3.43 mg/l - Sediment (Freshwater); 8.1 mg/kg - marine water; 8.1 mg/kg - Soil; 35 mg/kg

ALCOHOLS, C12-14 ETHOXYLATED, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

DNEL	Professional - Dermal; Long term systemic effects: 2750 mg/kg/day Consumer - Inhalation; Long term systemic effects: 52 mg/m ³ Professional - Inhalation; Long term systemic effects: 175 mg/m ³ Consumer - Oral; Long term systemic effects: 15 mg/kg/day Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day
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- PNEC**
- Fresh water; 0.24 mg/l
 - marine water; 0.024 mg/l
 - STP; 10000 mg/l
 - Sediment (Freshwater); 5.45 mg/kg
 - Sediment (Marinewater); 0.545 mg/kg
 - Soil; 0.946 mg/kg
 - Intermittent release; 0.071 mg/l

MAGNESIUM SULPHATE (CAS: 7487-88-9)

- DNEL**
- Workers - Inhalation; Long term systemic effects: 37.6 mg/m³
 - Workers - Dermal; Long term systemic effects: 21.3 mg/kg/day
 - General population - Inhalation; Long term systemic effects: 11.1 mg/m³
 - General population - Dermal; Long term systemic effects: 12.8 mg/kg/day
 - General population - Oral; Long term systemic effects: 12.8 mg/kg/day

- PNEC**
- Fresh water; 0.68 mg/l
 - marine water; 0.068 mg/l
 - Intermittent release; 6.8 mg/l
 - STP; 10 mg/l

BRONOPOL (INN) (CAS: 52-51-7)

- DNEL**
- Workers - Inhalation; Long term systemic effects: 4.1 mg/m³
 - Workers - Inhalation; Short term systemic effects: 12.3 mg/m³
 - Workers - Inhalation; Long term local effects: 4.2 mg/m³
 - Workers - Inhalation; Short term local effects: 4.2 mg/m³
 - Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day
 - Workers - Dermal; Short term systemic effects: 7 mg/kg/day
 - Workers - Dermal; Long term local effects: 13 µg/cm²
 - Workers - Dermal; Short term local effects: 13 µg/cm²
 - General population - Inhalation; Long term systemic effects: 1.2 mg/m³
 - General population - Inhalation; Short term systemic effects: 3.7 mg/m³
 - General population - Inhalation; Long term local effects: 1.3 mg/m³
 - General population - Inhalation; Short term local effects: 1.3 mg/m³
 - General population - Dermal; Long term systemic effects: 1.4 mg/kg/day
 - General population - Dermal; Short term systemic effects: 4.2 mg/kg/day
 - General population - Dermal; Long term local effects: 8 µg/cm²
 - General population - Oral; Long term systemic effects: 0.35 mg/kg/day
 - General population - Oral; Short term systemic effects: 1.1 mg/kg/day

- PNEC**
- Fresh water; 0.01 mg/l
 - marine water; 0.0008 mg/l
 - Intermittent release; 0.0025 mg/l
 - STP; 0.43 mg/l
 - Sediment (Freshwater); 0.041 mg/kg
 - Sediment (Marinewater); 0.00328 mg/kg
 - Soil; 0.5 mg/kg

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

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DNEL	Consumer - Inhalation; Short term systemic effects: 1.5 mg/m ³
	Professional - Inhalation; Long term systemic effects: 2.5 mg/m ³
	Consumer - Inhalation; Long term local effects: 1.5 mg/m ³
	Professional - Inhalation; Short term systemic effects: 2.8 mg/m ³
	Professional - Inhalation; Short term local effects: 2.5 mg/m ³
	Professional - Inhalation; Short term systemic effects: 2.5 mg/m ³
	Professional - Inhalation; Long term local effects: 2.5 mg/m ³
	Consumer - Oral; Long term systemic effects: 28 mg/kg/day

PNEC	- STP; 43 mg/l
	- Soil; 0.72 mg/kg
	- marine water; 0.22 mg/l
	- ; Intermittent release 1.2 mg/l
	- Fresh water; 2.2 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL	Industry - Inhalation; Long term local effects: 1 mg/m ³
	Consumer - Inhalation; Long term local effects: 1 mg/m ³

8.2. Exposure controls

Protective equipment



Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Gloves are recommended for prolonged use.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Green.
Odour	Lemon.
Odour threshold	Not determined.
pH	pH (concentrated solution): 6.5-7.5
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.

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Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.026-1.046 @ 25 C°C
Solubility(ies)	Soluble in water.
Partition coefficient	Data lacking.
Auto-ignition temperature	Scientifically unjustified.
Decomposition Temperature	Not determined.
Viscosity	400-600 cP @ 25°C
Explosive properties	Scientifically unjustified.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid freezing.

10.5. Incompatible materials

Materials to avoid No specific requirements are anticipated under normal conditions of use.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 8,294.93

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

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Skin corrosion/irritation

Skin corrosion/irritation Prolonged contact may cause redness, irritation and dry skin.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation

May cause respiratory system irritation.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged skin contact may cause temporary irritation.

Eye contact

Irritating to eyes.

Toxicological information on ingredients.

BENZENE SULPHONIC ACID , C10-13-ALKYL DERIVS., SODIUM SALTS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,080.0

Species Rat

ATE oral (mg/kg) 1,080.0

Acute toxicity - dermal

Notes (dermal LD₅₀) LD50 >2000 mg/Kg bw RAT

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Endpoint waived according to REACH Annex VII, IX or XI.

Skin corrosion/irritation

Animal data Dose: 2.17, 72 hours, Rabbit

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Serious eye damage/irritation

Serious eye damage/irritation H318 REACH dossier information.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative.

Genotoxicity - in vivo Chromosome aberration: Negative.

Carcinogenicity

Carcinogenicity Endpoint waived according to REACH Annex VII, IX or XI.

Reproductive toxicity

Reproductive toxicity - fertility - NOAEL 350 mg/kg/day, Oral, Rat F2a

Reproductive toxicity - development Maternal toxicity:, Teratogenicity: - NOAEL: 300 mg/kg, Oral,

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Conclusive data but not sufficient for classification.

ALCOHOLS, C12-14 ETHOXYLATED, SULFATES, SODIUM SALTS

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 4,100.0

Species Rat

ATE oral (mg/kg) 4,100.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rat

Skin corrosion/irritation

Animal data Erythema/eschar score: Moderate to severe erythema (3). Oedema score: Moderate oedema - raised approximately 1 mm (3).

Serious eye damage/irritation

Serious eye damage/irritation Irritating.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Carcinogenicity

Carcinogenicity NOAEL >1000 mg/kg, Oral, Rat

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Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOEL >300 mg/kg, Oral, Rat F1

Specific target organ toxicity - repeated exposure

STOT - repeated exposure NOEL 225 mg/kg, Oral, Rat

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Data lacking.

12.4. Mobility in soil

Mobility The product is soluble in water. The product is non-volatile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. No specific disposal method required. Reuse or recycle products wherever possible.

SECTION 14: Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

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Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Only trained personnel should use this material.

Key literature references and sources for data

Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.

Revision comments

This is the first issue.

Revision date

14/12/2018

Revision

3

Supersedes date

05/01/2018

SDS number

21513

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Hazard statements in full

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Notes for Hazard Statements in Full

The full text for Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.