



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

Deb Ltd
Denby Hall Way
Denby
Derbyshire
DE5 8JZ
Main Tel. 01773 855100
Technical Tel 01773 855105
reach@deb.co.uk

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

Pictogram



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

BRILLO WASHING UP LIQUID

| | |
|---------------------------------|---|
| Precautionary statements | <p>P280 Wear eye protection.</p> <p>P280 Wear protective gloves.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p> |
| Detergent labelling | 15 - < 30% anionic surfactants, 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 | | |
| Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412 | | | |
| ALCOHOLS, C12-14 ETHOXYLATED, SULFATES, SODIUM SALTS | | | 1-5% |
| 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 | | | |

BRILLO WASHING UP LIQUID

| | | |
|---|----------------------|--|
| 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 | Skin irritation. |
| Eye contact | Irritation of eyes and mucous membranes. |

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. |
|-----------------------------|---|

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

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|--------------------------------------|---|
| 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. |
|----------------------------------|---|

BRILLO WASHING UP LIQUID

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. 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 in closed original container 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)

BRILLO WASHING UP LIQUID

DNEL

Professional - Inhalation; Long term systemic effects: 175 mg/m³
 Professional - Dermal; Long term systemic effects: 2750 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 52 mg/m³
 Consumer - Oral; Long term systemic effects: 15 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day

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)

BRILLO WASHING UP LIQUID

DNEL

Consumer - Inhalation; Short term systemic effects: 1.5 mg/m³
 Professional - Inhalation; Long term systemic effects: 2.5 mg/m³
 Professional - Inhalation; Long term local effects: 2.5 mg/m³
 Professional - Inhalation; Short term systemic effects: 2.5 mg/m³
 Professional - Inhalation; Short term local effects: 2.5 mg/m³
 Professional - Inhalation; Short term systemic effects: 2.8 mg/m³
 Consumer - Oral; Long term systemic effects: 28 mg/kg/day
 Consumer - Inhalation; Long term local effects: 1.5 mg/m³

PNEC

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

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL

Industry - Inhalation; Long term local effects: 1 mg/m³
 Consumer - Inhalation; Long term local effects: 1 mg/m³

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: Chemical splash goggles or face shield.

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. |

BRILLO WASHING UP LIQUID

| | |
|--|---|
| 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 | Scientifically unjustified. |
| 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 | Avoid contact with acids and alkalis. |
|--------------------|---------------------------------------|

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 LD ₅₀) | Based on available data the classification criteria are not met. |
|--------------------------------|--|

| | |
|------------------|----------|
| ATE oral (mg/kg) | 8,294.93 |
|------------------|----------|

Acute toxicity - dermal

| | |
|----------------------------------|--|
| Notes (dermal LD ₅₀) | Based on available data the classification criteria are not met. |
|----------------------------------|--|

Acute toxicity - inhalation

| | |
|--------------------------------------|--|
| Notes (inhalation LC ₅₀) | Based on available data the classification criteria are not met. |
|--------------------------------------|--|

BRILLO WASHING UP LIQUID

Skin corrosion/irritation

Animal data Slightly irritating.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

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 Irritating to skin.

Eye contact Irritating to eyes.

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

Serious eye damage/irritation

BRILLO WASHING UP LIQUID

| | |
|--|--|
| Serious eye damage/irritation | H318 REACH dossier information. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. |
| <u>Germ cell mutagenicity</u> | |
| Genotoxicity - in vitro | Gene mutation: Negative. |
| Genotoxicity - in vivo | Chromosome aberration: Negative. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | Endpoint waived according to REACH Annex VII, IX or XI. |
| <u>Reproductive toxicity</u> | |
| Reproductive toxicity - fertility | - NOAEL 350 mg/kg/day, Oral, Rat F2a |
| Reproductive toxicity - development | Maternal toxicity:, Teratogenicity: - NOAEL: 300 mg/kg, Oral, |
| <u>Specific target organ toxicity - single exposure</u> | |
| STOT - single exposure | Based on available data the classification criteria are not met. |
| <u>Specific target organ toxicity - repeated exposure</u> | |
| STOT - repeated exposure | Conclusive data but not sufficient for classification. |

ALCOHOLS, C12-14 ETHOXYLATED, SULFATES, SODIUM SALTS

| | |
|--|--|
| <u>Acute toxicity - oral</u> | |
| Acute toxicity oral (LD₅₀ mg/kg) | 4,100.0 |
| Species | Rat |
| ATE oral (mg/kg) | 4,100.0 |
| <u>Acute toxicity - dermal</u> | |
| Acute toxicity dermal (LD₅₀ mg/kg) | 2,000.0 |
| Species | Rat |
| <u>Skin corrosion/irritation</u> | |
| Animal data | Erythema/eschar score: Moderate to severe erythema (3). Oedema score: Moderate oedema - raised approximately 1 mm (3). |
| <u>Serious eye damage/irritation</u> | |
| Serious eye damage/irritation | Irritating. |
| <u>Skin sensitisation</u> | |
| Skin sensitisation | Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. |
| <u>Carcinogenicity</u> | |
| Carcinogenicity | NOAEL >1000 mg/kg, Oral, Rat |
| <u>Reproductive toxicity</u> | |

BRILLO WASHING UP LIQUID

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 Scientifically unjustified.

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

Not applicable.

BRILLO WASHING UP LIQUID

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 first issue. |
| Revision date | 12/05/2017 |
| Revision | 1 |
| SDS number | 21513 |
| 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. |

BRILLO WASHING UP LIQUID

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.