



SAFETY DATA SHEET 5L SUPER PROFESSIONAL ANTIBACTERIAL WASHING UP LIQUID D9

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name 5L SUPER PROFESSIONAL ANTIBACTERIAL WASHING UP LIQUID D9

Product number 800-196-0615 D9

Container size 5L

UFI UFI: G7EH-AV64-2HEV-PPTN

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

Identified uses Detergent. Disinfectant.

Uses advised against Not for Oral Consumption.

1.3. Details of the supplier of the safety data sheet

Supplier Mirius™

A Coventry Group Company

Woodhams Road Siskin Drive Coventry CV3 4FX

Coventry Chemicals (Ireland) Limited

4th Floor

8-34 Percy Place

Dublin 4 Ireland

Tel: +44 (0) 02476 639 739 Fax: +44 (0) 02476 639 717 Email: sales@mirius.com

Contact person For content of safety data sheet:, sds@mirius.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1865407333 (Strictly for emergencies only: incidents involving damage to human

health and/or the environment)

National emergency telephone UK:

number In case of a medical emergency following exposure to a chemical call NHS Direct in England

or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

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Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements P102 Keep out of reach of children.

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 local regulations.

Contains C12-14 ALKYL ETHER SULFATES, LACTIC ACID, 2-PHENOXYETHANOL

Biocide Labelling This product contains substances with biocidal properties., Read attached instructions before

use., Contains active substance: L-(+)-lactic acid, (and), 2-Phenoxyethanol

Detergent labelling 5 - < 15% anionic surfactants, < 5% disinfectants, < 5% non-ionic surfactants, < 5% perfumes,

Contains 2-Bromo-2-nitropropane-1, 3-diol

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

C12-14 ALKYL ETHER SLILEATES	E 400/

Classification

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412

LACTIC ACID 1-5%

CAS number: 79-33-4 EC number: 201-196-2

Classification

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

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AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

<1%

CAS number: 308062-28-4 EC number: 931-292-6

M factor (Acute) = 1

Classification

Classification (67/548/EEC or 1999/45/EC)

Xn;R22. Xi;R38,R41. N;R50.

Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

PHOSPHORIC ACID

<1%

<1%

Classification

Classification (67/548/EEC or 1999/45/EC)

C;R34

Met. Corr. 1 - H290

Skin Corr. 1B - H314 Eye Dam. 1 - H318

BRONOPOL (INN)

EC number: 200-143-0

CAS number: 52-51-7 M factor (Acute) = 10

Classification

Classification (67/548/EEC or 1999/45/EC)

Xn;R21/22 Xi;R37/38,R41 N;R50

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

2-PHENOXYETHANOL

<1%

CAS number: 122-99-6 EC number: 204-589-7

Classification

Classification (67/548/EEC or 1999/45/EC)

Xn;R22 Xi;R36

Acute Tox. 4 - H302 Eye Irrit. 2 - H319

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Provide eyewash station.

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. 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 if any discomfort continues.

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Skin contact Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention

if irritation persists after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide

apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe

or persist after washing. Show this Safety Data Sheet to the medical personnel.

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

General information Provide eyewash station.

Inhalation Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at

ambient temperature.

Ingestion Unlikely exposure route without abuse. Symptoms will include, Sickness, possible Irritation of

GI Tract. A soapy taste may be reported.

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

Eye contact The product is irritating to eyes and skin. Prolonged or repeated exposure may cause the

following adverse effects: Irritation and redness, followed by blurred vision. Corneal damage.

Risk of serious damage to eyes.

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

Notes for the doctorNo specific recommendations.

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.

Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances: Oxides

of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during

firefighting

Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions For personal protection, see Section 8. Treat the spilled material according to the instructions

in the clean-up section. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or

watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning upStop leak if safe to do so. Take care as floors and other surfaces may become slippery.

Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up.

6.4. Reference to other sections

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Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health

hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Wear protective clothing as described in

Section 8 of this safety data sheet. Do not mix with other household chemical products. Do

not mix with acid.

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Use appropriate hand lotion to prevent defatting and cracking of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store at room

temperature. Keep out of the reach of children. Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking.

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

Ingredient comments No exposure limits known for ingredient(s).

C12-14 ALKYL ETHER SULFATES (CAS: 68891-38-3)

DNEL Workers - Inhalation; Long term systemic effects: 175 mg/m³

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

PNEC - Fresh water; 0.24 mg/l

marine water; 0.024 mg/l
Intermittent release; 0.071 mg/l
Sediment, Fresh water; 0.917 mg/kg
Sediment, marine water; 0.092 mg/kg

Soil; 7.5 mg/kgSTP; 10,000 mg/l

LACTIC ACID (CAS: 79-33-4)

DNEL Industry - Inhalation; Short term : 592 mg/m³

Consumer - Oral; : 35.4 mg/kg/day

PNEC - Fresh water; 1.3 mg/l

AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES (CAS: 308062-28-4)

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DNEL Workers - Inhalation; Long term systemic effects: 15.5 mg/m³

Workers - Dermal; Long term systemic effects: 11 mg/kg/day

General population - Inhalation; Long term systemic effects: 3.8 mg/m³ General population - Dermal; Long term systemic effects: 5.5 mg/kg/day General population - Oral; Long term systemic effects: 0.44 mg/kg/day

PNEC - Fresh water; 0.034 mg/l

- marine water; 0.003 mg/l

- STP; 24 mg/l

Sediment (Freshwater); 5.24 mg/kgSediment (Marinewater); 0.524 mg/kg

- Soil; 1.02 mg/kg

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: 0.013 mg/cm² Workers - Dermal; Short term local effects: 0.013 mg/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; 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: 0.008 mg/cm²

General population - Dermal; Short term local effects: 0.008 mg/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; 0.008 mg/l

- Intermittent release; 0.0025 mg/l

- STP; 0.43 mg/l

Sediment (Freshwater); 0.041 mg/kgSediment (Marinewater); 0.00328 mg/kg

- Soil; 0.5 mg/kg

8.2. Exposure controls

Protective equipment





Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment that provides appropriate eye and face protection should be worn.

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Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if

> a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. Nitrile rubber. Polyethylene. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. A break through time of >60 minutes is

suggested. Gloves should be inspected regularly for damage.

Other skin and body

protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate

hand lotion to prevent defatting and cracking of skin.

Hygiene measures Good personal hygiene procedures should be implemented. Wash hands and any other

contaminated areas of the body with soap and water before leaving the work site. Use

appropriate skin cream to prevent drying of skin.

Respiratory protection Respiratory protection not required.

Environmental exposure

controls

Avoid releasing into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid. Colour Blue. Odour Lemon.

Odour threshold No information available.

рΗ pH (concentrated solution): 2-3

Melting point No information available. Initial boiling point and range Flash point No information available. **Evaporation rate** No information available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or

explosive limits

No information available.

No information available.

Vapour pressure No information available.

Relative density 1.020 typically @ 20°C

Solubility(ies) Soluble in water.

Partition coefficient No information available. **Auto-ignition temperature** No information available.

Decomposition Temperature Not determined.

800-1500 cP @ 20°C Viscosity

There are no chemical groups present in the product that are associated with explosive **Explosive properties**

properties.

Explosive under the influence

of a flame

Not considered to be explosive.

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Oxidising properties The mixture itself has not been tested but none of the ingredient substances meet the criteria

for classification as oxidising.

Comments Information given is applicable to the product as supplied.

9.2. Other information

Other information Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Under normal storage conditions this product is stable.

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 exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a

hazardous situation.

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

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

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

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.

Skin corrosion/irritation

Skin corrosion/irritationNot classified. Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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Genotoxicity - in vitroDoes not contain any substances known to be mutagenic.

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 classified.

General information This product has low toxicity.

Ingestion May cause irritation. Symptoms following overexposure may include the following: Stomach

pain. Nausea, vomiting. Diarrhoea.

Skin contact Skin irritation should not occur when used as recommended. Prolonged or repeated exposure

may cause the following adverse effects: Irritation. Redness. Dryness and/or cracking. Mild

dermatitis, allergic skin rash.

Eye contact Irritating to eyes. Severe irritation, burning, tearing and blurred vision.

11.2 Information on other

hazards

11.2.1. Endocrine disrupting

properties

This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

11.2.2 Other information

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product. Not regarded as dangerous for the

environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

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 The Detergents Regulations (as amended).

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

Mobility The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

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Results of PBT and vPvB

assessment

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

12.6. Endocrine disrupting

properties

Endocrine disrupting

properties

This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not discharge into drains or watercourses or onto the ground.

Disposal methodsDispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority. Normal use solutions are expected to be flushed to sewers.

Reuse or recycle products wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods

(IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

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

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National regulations The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as

amended).

EH40/2005 Workplace exposure limits.

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as

amended).

The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI

2019 No. 696) (as amended).

The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)

(Amendment etc.) (EU Exit) Regulations 2020 - as amended

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009

No. 716).

EU legislation

European Regulation (EC) No 1272/2008 on classification, labelling and packaging of

substances and mixtures (as amended)

European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and

Restriction of Chemicals (REACH) (as amended)

European Regulation (EC) No 648/2004 on detergents (as amended)

European Regulation (EU) No 528/2012 concerning the making available on the market and

use of biocidal products (BPR) as amended

Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006.

Guidance Workplace Exposure Limits EH40.

ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets.

COSHH Essentials.

Technical Guidance WM2: Hazardous Waste.

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Abbreviations and acronyms DNEL: Derived No Effect Level.

used in the safety data sheet PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as

modified by the Protocol of 1978.

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision. Review

of SDS with no change of classification.

Revision date 15/03/2024

Revision 5

Supersedes date 18/10/2019

SDS number 20504

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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.

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.

----- END OF SDS -----