



SAFETY DATA SHEET

Conforms to Regulations (EC) No. 1907/2006 (REACH), No. 1272/2008 (CLP) and amendments - Europe

Drop Clean Disinfectant Spray

Version: 01

Date of revision: 14/03/2020

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

1.1. Product identifier

Drop Clean Non-alcoholic Disinfectant

Size/package: Bottles < 125 mL
Drums < 100 L
Containers 1000 kg

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

Non-alcoholic disinfectant liquid with light spearmint odour.
Ready to use spray for effective hand protection against bacteria, fungi and viruses for household, medical and health care use.
Customer and Professional use.

1.3. Details of the supplier of the safety data sheet

Manufacturer: **B&H Lab UK Ltd**
160 City Road, London, England, EC1V 2NX
Phone.: +447867858901
e-mail: info@bh-lab.co.uk
www.bh-lab.co.uk

1.4. Emergency telephone number

EU:112
Emergency telephone for other regions to be filled out by local business.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition: Mixture. Customer and Professional use.
Classification according to regulation (EC) No 1272/2008: **Aquatic Chronic 3; H412.**

2.2. Label elements

According to regulation (EC) No 1272/2008:

Pictogram:	<i>Not applicable</i>
Signal word:	<i>Not applicable</i>
Hazard statements:	H412. Harmful to aquatic life with long lasting effects.
Hazardous ingredients:	<i>Not applicable</i>
Precautionary statements:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P273 Avoid release to the environment. P501 Dispose of empty container as a household waste into the appropriate collection site / unused content to a licensed hazardous-waste disposal contractor in accordance with regulation.
Supplemental label elements:	Manufacturer: B&H Lab UK Ltd, 160 City Road, London, England, EC1V 2NX, Phone +447867858901.

Label elements for package

Drop Clean Non-alcoholic Disinfectant

Non-alcoholic disinfectant liquid with spearmint odour.
Active substance: Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides.
(CAS No.: 68424-85-1): 0,4 g / 100 g (0,4 mass %)
H412. Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid release to the environment.
Manufacturer: B&H Lab UK Ltd, 160 City Road, London, England, EC1V 2NX, Phone +447867858901.



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Special packaging requirements for retail trade

Containers to be fitted with child-resistant fastenings: Not applicable.

Tactile warning of danger Δ : Not applicable.

2.3. Other hazards

Product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation (EC) No 1907/2006).

See section 11 for more detailed information on health effects and symptoms.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances Not applicable

3.2. Mixtures

Substances classified with health or environmental hazard:

Ingredient name	Identifiers	Classification according to Regulation (EC) 1272/2008 (CLP)	Conc., % (w/w)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides.	EINECS: 270-325-2 CAS: 68424-85-1	Acute Tox. 4 H302 Skin Corr. 1B H314 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	0,4%

Substances that are PBT or vPvB, $\geq 0,1$ %: Not applicable

Substances with workplace exposure limit: See section 8

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove victim to fresh air. If symptoms arise, consult doctor.

Skin contact: Unlikely necessary. Product is meant to be used on skin. If any symptoms arise, stop using the product and consult doctor.

Eye contact: Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Contact physician if symptoms persist.

Ingestion: Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. DO NOT INDUCE VOMITING unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

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

Inhalation: light irritation of upper organs can occur.

On skin: Meant to be used on skin. Not expected.

In contact with eyes: may cause eye irritation.

Ingestion: May cause light throat irritation and/or light digestive system disorders.

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

Specific treatments: Treat symptomatically.



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See section 11 for more detailed information on health effects and symptoms.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water fog or mist, alcohol-resistant foam, carbon dioxide (CO₂) or dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Decomposition products may include the following materials: Nitrous oxide; carbon dioxide, carbon monoxide and unidentified organic and inorganic compounds.

5.3. Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

5.4. Further information

Use water spray to cool unopened containers and disperse vapours.

Keep run-off water out of sewers and water sources.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2. For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Small spill: Stop leak if possible without risk. Move containers from spill area. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if possible without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

6.4. Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.



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Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Store in a cool place. Keep container tightly closed in a dry, well-ventilated place. Close opened containers

carefully and store upright to prevent any leakage.

Recommended storage temperature: 2 - 30 °C

7.3. Specific end use(s)

Disinfection agent for hands. Professional and non-professional use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with work center-related limit values that are to be monitored

Contains no substances with occupational exposure limit values.

8.2 Manufacturer: Exposure controls

Appropriate engineering

Special events not necessary.

Controls:

Use only with adequate ventilation.

Individual protection measures:

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Not necessary in foreseeable use conditions. Do not allow to get in the eyes.

Skin protection:

Hand protection

Not necessary in foreseeable conditions of use. Product is meant for use on skin.

Body protection

Not necessary in foreseeable conditions of use.

Respiratory protection

No respiratory protection necessary. Do not inhale.

Environmental exposure controls:

Do not allow undiluted product into the sewage. (observe PNEC: 0,4 mg/l of active substance). Do not introduce to environment in different way than instructed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Clear liquid

Physical state

Liquid

Colour

Clear

Odour

Light aromatic odour

Odour threshold

Not applicable

pH

7

Melting point/freezing point

-1 +1 °C

Initial boiling point and boiling range

As water

Flash point

Not available

Evaporation rate

As water



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Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	As water
Vapour density	As water
Relative density	0.99 – 1.01 g / mL (20°C)
Solubility(ies)	Miscible with water in any conditions.
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Over 150 °C (active substance after evaporation of water)
Viscosity	As water
Explosive properties	Not explosive
Oxidising properties	Not oxidising

9.2. Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No known reactions according to our database.

10.2. Chemical stability

Stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Freezing and heating over 30°C.

10.5. Incompatible materials

Reactive or incompatible materials: strong oxidising substances.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity
No data available.

Etchant/irritant effect on skin
No data available

Severe eye damage/irritation
No data available

Sensitization of the respiratory tract/skin
No data available

germ cell mutagenicity
No data available



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carcinogenicity
No data available.

Reproductive toxicity
No data available.

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

danger of aspiration
No data available

Additional Information
No data available.

To the best of our knowledge, the chemical, physical and toxicological properties of this natural substance/mixture have not been fully investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic Chronic 3, H412 Harmful to aquatic life with long lasting effects

Sum of ingredients:

(Chronic Category 1 × M × 100) + (Chronic Category 2 × 10) + Chronic Category 3 =
= 0,4 × 1 × 100 = 40 > 25 %

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides. (CAS No.: 68424-85-1)	LC50, fish, Pimephales promelas, 96h: 0,28 mg/L EC50, Daphnia magna, 48h: 0,0058 mg/L ErC50, algae, Selenastrum capricornutum, 72h: 0,049 mg/L NOEC, Daphnia magna, 21 d.: > 4,15 µg/l
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12.2 Persistence and degradability

Product biodegrades easily.

Quaternary ammonium compounds, benzyl-C12-C16- alkyl- dimethyl chlorides, CAS 68424-85-1	63 %; 28 days; OECD 301 D Biodegrades easily.
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12.3 Bioaccumulation potential

Bioaccumulation potential is low.

Quaternary ammonium compounds, benzyl-C12-C16- alkyl- dimethyl chlorides, CAS 68424-85-1	BCF: 79 (Fish, 35 days + 21 days purification) Potential: Low.
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12.4 Mobility in the ground

Product is fully miscible with water. Mixture is expected to be absorbed in soil and desorption is not easy. Therefore, compound is expected not to be mobile in the ground.

12.5 Results of the PBT and vPvB assessment

A PBT/vPvB assessment is not available as a chemical safety assessment is not required/not performed

12.6 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods



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Product:

Methods of disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging:

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Can be added to general waste collection after completely emptying. Incineration or landfill should only be considered when recycling is not feasible.

Within the present knowledge of the supplier, packaging is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

SECTION 14: TRANSPORT INFORMATION

This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

International transport regulations:

	ADR/RID	ADN	IMDG	IATA
14.1. UN number	-	-	-	-
14.2. UN proper shipping name	-	-	-	-
14.3. Transport hazard class(es)	-	-	-	-
14.4. Packing group	-	-	-	-
14.5. Environmental hazards	None	None	None	None
14.6. Special precautions for user	None	None	None	None
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

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.

ADR - the European Agreement concerning the International Carriage of Dangerous Goods by Road, concluded at Geneva on 30 September 1957, as amended.

RID - the Regulations concerning the International Carriage of Dangerous Goods by Rail, appearing as Appendix C to the Convention concerning International Carriage by Rail (COTIF) concluded at Vilnius on 3 June 1999, as amended.

ADN - the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways concluded at Geneva on 26 May 2000, as amended.

IMDG Code - International Maritime Dangerous Goods Code.

IATA/ICAO: ICAO - International Civil Aviation Organization. IATA - International Air Transport Association.

MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.

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):

Annex XIV - List of substances subject to authorization: Substances of very high concern: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable.

15.2. Chemical safety assessment

No chemical safety assessment has been performed for this product.



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SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

Full text of abbreviations

CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: International Rule for Transport of Dangerous Substances by Railway

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

CAS: Chemical Abstracts Service

EINECS: European Inventory of Existing Commercial chemical Substances

REACH: Registration, Evaluation and Authorisation of Chemicals

PBT: Persistent, bio-accumulative and toxic

vPvB: Very persistent, very bio-accumulative

bw: Body weight.

NOAEL no observed adverse effect level

NOEL no observed effect level

LOAEL lowest observed adverse effect level

Full text of classifications and H statements

Acute Tox. 4 – Acute Toxicity, Category 4

[CLP/GHS]:

H302 – Harmful if swallowed

Skin Corr. 1B - Corrosive to skin, category 1B

H314 – Causes severe skin burns and eye damage

Aquatic Acute 1/ Aquatic Chronic 1 – Hazardous to the aquatic environment, category 1

H400 – Very toxic to aquatic life

H410 – Very toxic to aquatic life with long lasting effects

DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

END OF SAFETY DATA SHEET