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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<u>1.1. Product Identifier</u> Product name: QUILL EGG WASH Product number: QEGGWASH Internal identification: Egg Washing

<u>1.2. Relevant identified uses of the substance or mixture and uses advised against</u> Identified uses: Quaternary Ammonium based Gamebird Eggwash

1.3. Details of the supplier of the safety data sheet <u>Supplier</u> Quill Productions Manor Farm Pulham Dorset DT2 7EE Tel: 01258 818239 sales@quillproductions.co.uk

1.4. Emergency Telephone Number

Emergency telephone New Safety Data Sheets - 8.30am to 5.00pm – 01258 818239 - Mon to Fri. (Also available 24/7 from our website www.quillproductions.co.uk) Technical Advice - 8.30am to 5.00 - 01258 818239 - Mon to Fri

SECTION 2: HAZARDS IDENTIFICATION

<u>2.1. Classification of the substance or mixture</u> <u>Classification</u>

Physical hazards: Not Classified Health hazards: Skin Corr. 1B - H314 Eye Dam. 1 - H318 Environmental hazards: Aquatic Acute 1 - H400 Chronic 2 - H411

2.2. Label elements Hazard Pictograms





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Signal word: Danger Hazard statements : H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P260 Do not breathe mist.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove
Contact Lenses if present and easy to do. Continue rinsing.
P102 Keep out of reach of children.
P260 Do not breathe mist.
P315 Get immediate medical advice/attention.
P235+P410 Keep cool. Protect from sunlight.
P501 Dispose of contents/container in accordance with local regulations.

Contains: ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE, C12-15 ALCOHOL ETHOXYLATE (7EO)

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

SECTION 3: Composition/ information on ingredients

ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE 5-10%

CAS number: 68424-85-1 EC number: 270-325-2 M factor (Acute) = 10 M factor (Chronic) = 1 **Classification** Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 **C12-15 ALCOHOL ETHOXYLATE (7EO) 5-10% Classification** Acute Tox. 4 - H302 Eye dam. 1 - H318 Aquatic Acute 1 - H400

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



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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

Skin contact: Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation. Irritation of nose, throat and airway.

Ingestion: May cause chemical burns in mouth and throat.

Skin contact: Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact: Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

Notes for the doctor: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

<u>5.1. Extinguishing media</u>
Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<u>5.2. Special hazards arising from the substance or mixture</u>
Specific hazards
Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
<u>5.3. Advice for Firefighters</u>
Special protective equipment for Firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.
6.2. Environmental precautions
Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions

Wear protective clothing, gloves, eye and face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep only in the original container in a cool, well-ventilated place. Protect from sunlight. Store in a closed container. Store away from the following materials: Oxidising materials & Acids.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

See Product Information Sheet & Label for detailed use of this product.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>8.1. Control parameters</u> Ingredient comments: No exposure limits known for ingredient(s).

8.2. Exposure controls
Protective equipment



Appropriate engineering controls: Not relevant.

Eye/face protection: The following protection should be worn: Chemical splash goggles or face shield. **Hand protection:** Wear protective gloves. (Household rubber gloves) **Other skin and body protection:** Wear appropriate clothing to prevent any possibility of skin contact. **Respiratory protection:** Respiratory protection not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties Appearance: Liquid. Colour: Clear. Colourless. Odour: Characteristic. pH: pH (concentrated solution): 13.30 Melting point: -1°C Initial boiling point and range: 100°C @ 760 mm Hg Flash point: Boils without flashing. Flammability (solid, gas): Not applicable. Upper/lower flammability or explosive limits: Not applicable. Vapour pressure: Not available. Vapour density: Not available. Relative density: 1.060 @ 20°C Solubility(ies): Soluble in water. Partition coefficient: Not applicable. Auto-ignition temperature: Not applicable. Decomposition Temperature: Not applicable. Viscosity: Not available.

<u>9.2. Other information</u> Other information: None. Particle size: Not applicable.



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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reactions with the following materials may generate heat: Strong acids.
10.2. Chemical stability
Stability
No particular stability concerns.
10.3. Possibility of hazardous reactions
See sections 10.1, 10.4 & 10.5
10.4. Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.
10.5. Incompatible materials
Materials to avoid
Strong acids. Aluminium, Tin, Zinc and their alloys.
10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

<u>11.1. Information on toxicological effects</u>

Toxicological effects

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Acute toxicity - oral

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

ATE oral (mg/kg): 2,705.62

Acute toxicity - dermal Summary: Not applicable. Acute toxicity - inhalation Summary: Not applicable. Skin corrosion/ irritation: Causes severe burns. Serious eye damage/ irritation: Causes serious eye damage.



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Respiratory sensitisation: Summary: Not applicable Skin sensation: Summary: Not applicable Germ cell mutagenicity Summary: Not applicable Carcinogenicity: Summary: Not applicable. **Reproductive toxicity:** Summary: Not applicable. Specific target organ toxicity - single exposure: Summary: Not applicable. Specific target organ toxicity - repeated exposure: Summary; Not applicable. Aspiration hazard: Summary: Not applicable.

11.2 Information on other hazards 11.2.1 Endocrine disrupting properties

None known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Potentially hazardous due to the alkalinity of the product. Dangerous for the environment. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

12.1. Toxicity

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

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). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient: Not applicable.

12.4. Mobility in soil

Mobility

Not known.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

Not known.



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal methods

Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number UN No. (ADR/RID) 3267 UN No. (IMDG) 3267 UN No. (ICAO) 3267 14.2. UN proper shipping name Proper shipping name (ADR/RID) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (alkyl dimethyl benzyl ammonium chloride) Proper shipping name (IMDG) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (alkyl dimethyl benzyl ammonium chloride) Proper shipping name (ICAO)) CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (alkyl dimethyl benzyl ammonium chloride) 14.3. Transport hazard class(es) ADR/RID class 8: Corrosive Substances. ADR/RID label 8 IMDG Class 8: Corrosive substances. ICAO class/division Class 8: Corrosive substances. ICAO subsidiary risk Transport labels



<u>14.4. Packing group</u> ADR/RID packing group II IMDG packing group II ICAO packing group II <u>14.5. Environmental hazards</u> Environmentally hazardous substance/marine pollutant





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<u>14.6. Special precautions for user</u> EmS F-A, S-B Tunnel restriction code (E)

<u>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u> Not relevant for a packaged product.

SECTION 15: Regulatory information

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

EU Legislation

Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020". The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.". Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020."

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.



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SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IMDG: International Maritime Dangerous Goods. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577. GHS: Globally Harmonized System.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic) Eye Dam. = Serious eye damage Skin Corr. = Skin corrosion

Key literature references and sources for data

Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.

Classification procedures according to SI 2019 No. 720

Calculation Method.

Revision comments

New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 453/2010 & 1907/2006). - No change in Product Classification. (Changes made to sections 2,3,9,11,12,15+16).

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SDS status

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.

Hazard statements in full

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.