

Quill Tray Wash Safety Data Sheet

Revision date: 17/11/2017

Revision Issue 3

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

1.1. Product Identifier

Product name: QUILL TRAY WASH

Product number: R023 EV

Internal identification: Special

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

Identified uses: Caustic detergent for Slat, Basket & Tray Washing.

1.3. Details of the supplier of the safety data sheet

Supplier

Quill Productions

Manor Farm

Pulham

Dorset

DT2 7EE

Tel: 01258 818239

sales@quillproductions.co.uk

Manufacturer

Evans Vanodine International

Brierley Road

Walton Summit

Preston. UK.

PR5 8AH

Tel: 01772 322 200

qclab@evansvanodine.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

2.1. Classification of the substance or mixture

Classification

Physical hazards: Not Classified

Health hazards: Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards: Not Classified

2.2. Label elements

Pictogram



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Signal word: Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

Precautionary statements

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: Sodium Hydroxide

Supplemental label information

EUH031 Contact with acids liberates toxic gas.

Contains SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION, % Cl ACTIVE

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

SODIUM HYDROXIDE **30-60%**

CAS number: 1310-73-2

EC number: 215-185-5

REACH registration number: 01-2119457892-27-xxxx

Spec Conc Limits :- Skin Corr. 1A (H314) >= 5 %, Skin Corr. 1B (H314) >=2% <5 %, Skin Irrit. 2 (H315) >=0.5%<2%, Eye Irrit. 2 (H319) >=0.5% <2%

Classification

Met. Corr. 1 - H290

Skin Corr. 1A - H314

Eye Dam. 1 - H318

TETRA SODIUM ETHYLENE DIAMINE TETRA ACETATE

1-3%

CAS number: 64-02-8

EC number: 200-573-9

Classification

Acute Tox. 4 - H302

Acute Tox. 4 - H332

Eye Dam. 1 - H318

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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

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

Specific hazards

Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for Firefighters

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

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: 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

8.1. Control parameters

Occupational exposure limits: **SODIUM HYDROXIDE**

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

WEL = Workplace Exposure Limit

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. Polyvinyl chloride (PVC).

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: Faint surfactant

pH: pH (diluted solution): 13.00 @ 1% w/w

Melting point: -4°C

Initial boiling point and range: 103°C @ 760 mm Hg

Flash point: Boils without flashing.

Relative density: 1.360 @ 20°C

Solubility(ies): Soluble in water.

9.2. Other information

Other information

None.

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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Generates toxic gas in contact with acid. 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

Avoid exposure to high temperatures or direct sunlight.

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

11.1. Information on toxicological effects

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 the classification criteria are not met.

ATE oral (mg/kg) 73,106.7251462

Acute toxicity - inhalation

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

ATE inhalation (dusts/mists mg/l) 114.76608187

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment. Very toxic to aquatic life. Another potential hazard is from the alkalinity of the product.

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

Sequestrant is readily degraded during biological effluent treatment processes.

12.3. Bioaccumulative potential

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

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. 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) 1719

UN No. (IMDG) 1719

UN No. (ICAO) 1719

14.2. UN proper shipping name

Proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution & hypochlorite solution) (ADR/RID)

Proper shipping name (IMDG) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)

Proper shipping name (ICAO) CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)

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



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-B

Emergency Action Code

Hazard Identification Number

(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant for a packaged product.

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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 REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC -classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification,labelling & packaging of substances & mixtures.

Guidance

Workplace Exposure Limits EH40.

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.

ATE: Acute Toxicity Estimate.

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

IMDG: International Maritime Dangerous Goods.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

GHS: Globally Harmonized System.

Spec Conc Limits = Specific Concentration Limits.

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity

Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Met. Corr. = Corrosive to metals

Skin Corr. = Skin corrosion

Skin Irrit. = Skin irritation

Key literature references and sources for data

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

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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

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H332 Harmful if inhaled.