

SDS conforms with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends (EC) No 2015/830, 453/2010 & 1907/2006)" and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".



## SAFETY DATA SHEET SAPPHIRE CONCENTRATE

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

#### 1.1. Product identifier

Product name	SAPPHIRE CONCENTRATE
Product number	R103 EV
Internal identification	Livestock
UFI	UFI: 8KUQ-GVS5-122E-0T60

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

Identified uses	Concentrated Lactic Acid and Chlorhexidine Gluconate Based Teat Disinfectant
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	UK Supplier:	EU Supplier:
	Evans Vanodine International plc, Brierley Road, Walton Summit, Preston, PR5 8AH, UK. Tel: 01772 322 200. e-mail: productcompliance@evansvanodine.co.uk	Evans Vanodine Europe (FR), 3 Boulevard de Belfort, 1st Floor, Lille, 59000, France. Tel: +33 (0)3 76 04 21 87.

#### 1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 01772 322 200 - Mon to Thurs 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) For Technical Advice about this SDS - 01772 318 818 - Mon to Thurs 8.00am to 5.30pm
National emergency Telephone number	For Health Care Professionals only For use in UK: Contact the National Poisons Information Service for further advice. For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166 – 8am to 10pm every day). For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture Classification (EU: 1272/2008 & UK: SI 2020/1567 which amends SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Skin Corr. 1C - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412

#### 2.2. Label elements

Hazard pictograms



## SAPPHIRE CONCENTRATE

Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. 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 or 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. P315 Get immediate medical advice/ attention. P501 Dispose of contents/ container in accordance with local regulations.
Contains	LACTIC ACID

### 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

#### 3.2. Mixtures

D-GLUCOPYRANOSE, OLIGOMERS, C8-10-ALKYL GLUCOSIDES	5-10%
CAS number: 68515-73-1	EC number: 500-220-1
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
LACTIC ACID	5-10%
CAS number: 79-33-4	EC number: 201-196-2
Classification Skin Corr. 1C - H314 Eye Dam. 1 - H318	
CHLORHEXIDINE DIGLUCONATE	1-3%
CAS number: 18472-51-0	EC number: 242-354-0
M factor (Acute) = 10	M factor (Chronic) = 1
Classification Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

# SAPPHIRE CONCENTRATE

The Full Text for all Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	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.
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.
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## 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.
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### 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.
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### 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.
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### 6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### 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.
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## SAPPHIRE CONCENTRATE

### 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. Store away from the following materials: Oxidising materials.

#### 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.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

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

#### 8.2. Exposure controls

Protective equipment



Appropriate engineering controls Not relevant.

Eye/face protection Wear eye protection.

Hand protection Wear protective gloves. (Household rubber gloves.)

Other skin and body protection Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection Respiratory protection not required.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Blue.

Odour Sweetish.

pH pH (concentrated solution): 3.00

Melting point 0°C

Initial boiling point and range 101°C @ 760 mm Hg

Flash point Boils without flashing.

Flammability (solid, gas) Not applicable.

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Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Density=1.115 @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	Not available.

### 9.2. Other information

Other information	None.
Particle size	Not applicable.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	No particular stability concerns.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See sections 10.1,10.4 & 10.5
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### 10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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### 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.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.
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## 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.
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#### Acute toxicity - oral

Summary	Not applicable.
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#### Acute toxicity - dermal

Summary	Not applicable.
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### Acute toxicity - inhalation

Summary Not applicable.

### Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

### Respiratory sensitisation

Summary Not applicable.

### Skin sensitisation

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.

### Aspiration hazard

Summary Not applicable.

11.2. Information on other Hazards None known.

11.2.1. Endocrine disrupting properties None known.

## SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

### 12.1. Toxicity

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

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

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

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12.6. Endocrine disrupting properties      None known.

### 12.7. Other adverse effects

Other adverse effects      None known.

## 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 by approved waste contractor. Rinse out empty container with water and consign to normal waste.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID)      3265

UN No. (IMDG)      3265

UN No. (ICAO)      3265

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)      CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (lactic acid)

Proper shipping name (IMDG)      CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (lactic acid)

Proper shipping name (ICAO)      CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (lactic acid)

### 14.3. Transport hazard class(es)

ADR/RID class      Class 8: Corrosive substances.

ADR/RID label      8

IMDG class      Class 8: Corrosive substances.

ICAO class/division      Class 8: Corrosive substances.

Transport labels



### 14.4. Packing group

ADR/RID packing group      III

IMDG packing group      III

ICAO packing group      III

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

EmS      F-A, S-B

Tunnel restriction code      (E)

### 14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL  
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

## 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." (which amends SI 2019 No.720).

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. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020." (which amends SI 2019 No.720).

## 15.2. Chemical safety assessment

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

## 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.  
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.  
GHS: Globally Harmonized System.

## Classification abbreviations and acronyms

Aquatic Acute = Hazardous to the aquatic environment (acute)  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Eye Dam. = Serious eye damage  
Skin Irrit. = Skin irritation  
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

Calculation Method.

## Revision comments

Change to Classified for Transport.  
Also new Evans EU Address - No change in Product Classification.  
(Changes made to sections 1,14+16)

## Revision date

01/10/2024

## Revision

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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

H315 Causes skin irritation.  
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.  
H412 Harmful to aquatic life with long lasting effects.