



SAFETY DATA SHEET SHIFT

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

1.1. Product identifier

Product name	SHIFT
Product number	R053 EV
Internal identification	Livestock
UFI	UFI: HRT2-2GNS-CU4Q-G0EK

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

Identified uses	Heavy Duty, Alkaline Liquid Cleaner for soil removal with pressure washer.
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1.3. Details of the supplier of the safety data sheet

Supplier	UK Supplier: Evans Vanodine International plc Brierley Road, Walton Summit, Preston. UK. PR5 8AH Tel: 01772 322 200 e-mail: productcompliance@evansvanodine.co.uk	EU Supplier: Evans Vanodine Europe 6-9 Trinity Street, Dublin 2. D02 EY47. Republic of Ireland.
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1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website www.evansvanodine.co.uk) For Technical Advice about this SDS - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm
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National emergency telephone For Health Care Professionals only number	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). .
	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 (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Danger
Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.

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Precautionary statements P102 Keep out of reach of children.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P260 Do not breathe spray.
 P301 IF SWALLOWED:
 P313 Get medical advice/ attention.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 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 ALCOHOL (C9-C11) ETHOXYLATE (6EO), SODIUM HYDROXIDE

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**

ALCOHOL (C9-C11) ETHOXYLATE (6EO) CAS number: 68439-46-3 Alternative CAS No 68439-45-2	3-5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	
COCAMIDOPROPYL BETAINE CAS number: 61789-40-0 EC number: 931-296-8 Spec Conc Limits :- Eye Dam. 1 (H318) >10%, Eye Irrit. 2 (H319) >4% <=10%	3-5%
Classification Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
AMINO TRIMETHYLENE PHOSPHONIC ACID PENTA SODIUM SALT CAS number: 2235-43-0	1-3%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
SODIUM HYDROXIDE CAS number: 1310-73-2 EC number: 215-185-5 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%	0.1-1%

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Classification
 Met. Corr. 1 - H290
 Skin Corr. 1A - H314
 Eye Dam. 1 - H318

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

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. Give plenty of water to drink. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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 discomfort if swallowed.
Skin contact	Skin irritation. Prolonged skin contact may cause redness and irritation.
Eye contact	May cause severe eye irritation.

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: Harmful gases or vapours.
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5.3. Advice for firefighters

Special protective equipment protective for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear eye and face protection. Avoid contact with skin and eyes.
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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: Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.
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SHIFT**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 eye protection. Avoid contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

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

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 Wear eye protection.

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. Yellow.

Odour Characteristic.

pH pH (concentrated solution): 13.30

Melting point 0°C

Initial boiling point and range 100°C @

Flash point Boils without flashing.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits Not applicable.

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Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.032 @ 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 reactivity10.1. Reactivity

Reactivity	Reactions with the following materials may generate heat: Strong acids.
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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	See sections 10.1,10.4 & 10.5 reactions
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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 information11.1. 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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Other health effects	Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.
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Acute toxicity - oral

Notes (oral LD ₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	24,570.27

Acute toxicity - dermal

Summary	Not applicable.
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Acute toxicity - inhalation

Summary	Not applicable.
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Skin corrosion/irritation

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Skin corrosion/irritation Causes skin irritation.

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.

Specific target organ toxicity - repeated 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 Potentially hazardous due to the alkalinity of the product.

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.

12.6 Endocrine disrupting properties None known.

SHIFT12.6. Other adverse effects

Other adverse effects Now section 12.7: None known.

SECTION 13: Disposal considerations13.1. 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

General Not classified for Transport.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not regulated.

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 relevant. for a packaged product.
Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information15.1. 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. 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.

SECTION 16: Other information

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Abbreviations and acronyms used in the safety data sheet	<p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.</p> <p>GHS: Globally Harmonized System.</p> <p>Spec Conc Limits = Specific Concentration Limits.</p>
Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Eye Dam. = Serious eye damage</p> <p>Eye Irrit. = Eye irritation</p> <p>Met. Corr. = Corrosive to metals</p> <p>Skin Corr. = Skin corrosion</p> <p>Skin Irrit. = Skin irritation</p>
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	No longer classified for Transport (Changes made to sections 14+16)
Revision date	14/08/2023
Revision	12
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	<p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>