SAFETY DATA SHEET
Screenwash - Electrajet

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

1.1. Product identifier

Product name Screenwash - Electrajet

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

Identified uses Vehicle Screenwash

Uses advised against This product is not recommended for any other purpose than stated above.

1.3. Details of the supplier of the safety data sheet

Supplier

Electrajet
Unit J3
Glasgow North Trading Estate,
24 Craigmont Street,
Glasgow
G20 9BT
0141 946 0441

sales@electrajet.co.uk

1.4. Emergency telephone number

Emergency telephone As Above - Opening Hours 9 am - 4 pm (Monday - Friday)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Pictogram

Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Precautionary statements P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Isopropyl Alcohol **10-30%**

CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457553-25

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336	F;R11 Xi;R36 R67

2-Butoxyethanol **1-5%**

CAS number: 111-76-2 EC number: 203-905-0

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Xn;R20/21/22 Xi;R36/38

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 Get medical attention if any discomfort continues.

Ingestion Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin 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 and get medical attention.

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 No specific symptoms known.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact May cause severe eye irritation.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

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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.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is non-combustible. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon. Nitrogen. No unusual fire or explosion hazards noted.

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. 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 Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

6.4. Reference to other sections

Reference to other sections See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Store in a cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

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Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Isopropyl Alcohol

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

2-Butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 123 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 246 mg/m3(Sk)
WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

2-Butoxyethanol (CAS: 111-76-2)

DNEL

Consumer - Oral; Long term systemic effects: 3.2 mg/kg/day
Worker Inhalation Long Term Systemic Effects 98 mg/m3
Consumer - Dermal; Short term systemic effects: 44.5 mg/kg/day
Industry - Dermal; Short term systemic effects: 89 mg/kg/day
Consumer - Dermal; Long term systemic effects: 38 mg/kg/day
Industry - Dermal; Long term systemic effects: 75 mg/kg/day
Consumer - Inhalation; Short term local effects: 123 mg/m³
Consumer - Inhalation; Short term systemic effects: 426 mg/m³
Industry - Inhalation; Short term systemic effects: 246 mg/m³
Consumer - Inhalation; Long term systemic effects: 49 mg/m³

PNEC

- Fresh water; 8.8 mg/l
- Sediment (Freshwater); 34.6 mg/kg
- Sediment (Marinewater); 3.46 mg/kg
- Marine water; 0.88 mg/l
- STP; 463 mg/l
- Soil; 2.8 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection It is recommended that gloves are made of the following material: Nitrile rubber. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

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Other skin and body protection	Provide eyewash station. Work clothes protecting arms, legs and body should be used, together with a PVC protective apron which should be long enough to cover rubber shoes/boots thus eliminating the possibility of splashes or spillages entering the footwear.
Hygiene measures	Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Blue.
Odour	Characteristic.
Flash point	> 35°C
Other flammability	Does not support combustion according to UN MTC Test L.2 (32.5.2)
Relative density	~ 0.98
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	No relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react strongly with the product: Strong acids. Chlorohydrocarbons. Strong oxidising agents.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

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Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	49,164.21

Acute toxicity - dermal

ATE dermal (mg/kg)	108,161.26

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	147.49

General information	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Inhalation	May cause respiratory system irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Irritating to skin.
Eye contact	Irritating to eyes. May cause severe eye irritation.
Acute and chronic health hazards	Product has a defatting effect on skin.
Route of entry	Ingestion. Skin and/or eye contact
Medical symptoms	No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.
Medical considerations	Skin disorders and allergies.

Toxicological information on ingredients.

Isopropyl Alcohol

Toxicological effects	Acute toxicity: Oral LD50 5840 mg/kg (rat) Dermal LD50 >5000 mg/kg (rat) Dermal LD50 >2000 mg/kg (rabbit) Inhalative LC50 (6u) >10000 ppm (rabbit) Inhalative LC50/4 h >20mg/l (rat)
Skin contact	No irritant effect.
Eye contact	Irritating effect.
Route of entry	Inhalation Ingestion. Skin and/or eye contact

2-Butoxyethanol

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	1,300.0

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Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Guinea pig
Acute toxicity - inhalation	
ATE inhalation (dusts/mists mg/l)	1.5

Skin contact	Irritant to skin and mucous membranes.
Eye contact	Strong irritant with the danger of severe eye injury.
Acute and chronic health hazards	Harmful Irritant
Route of entry	Skin and/or eye contact Ingestion. Inhalation

SECTION 12: Ecological Information

Ecotoxicity Not classified as dangerous to the environment.

12.1. Toxicity

Ecological information on ingredients.

Isopropyl Alcohol

Toxicity	EC50 (48u) >100 mg/l (daphnia magna) EC50 (72u) >100mg/l (Scenedesmus subspicatus) EC50 (96u) >1000mg/l (Scenedesmus subspicatus) (OECD 201) LC50 (48u) >100mg/l (Leuciscus idus) LC50 (96u) >9640mg/l (Pimephales promelas) (OECD 203)

2-Butoxyethanol

Toxicity	EC 50 (48 u) (static) 1550mg/l (daphnia magna) (water flea, immobilization) IC 50 >1000 mg/l (Bacteria) LC 50 (96 u) (static) 1474mgl (Oncorhynchus mykiss) (rainbow trout) NOEC >100 mg/l (Zebra fish) (Danio rerio, semi-static test, 21 d) 100 mg/l (daphnia magna) (semi-static test, 21 d, reproduction)

12.2. Persistence and degradability

Persistence and degradability The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Ecological information on ingredients.

Isopropyl Alcohol

Persistence and degradability	No further relevant information available.

2-Butoxyethanol

Persistence and degradability	The product is easily biodegradable. Degree of elimination: OECD 301B 90.4% (/) (28d)

12.3. Bioaccumulative potential

Ecological information on ingredients.

Isopropyl Alcohol

Bioaccumulative potential	Not worth-mentioning accumulating in organisms BCF >70% (/)

2-Butoxyethanol

Bioaccumulative potential	Not worth-mentioning accumulating in organisms : < 100 (/),

12.4. Mobility in soil

Ecological information on ingredients.

Isopropyl Alcohol

Mobility	No further relevant information available.

2-Butoxyethanol

Adsorption/desorption coefficient	Soil - Koc: 50-180 @ °C

12.5. Results of PBT and vPvB assessment

Ecological information on ingredients.

Isopropyl Alcohol

Results of PBT and vPvB assessment	Not applicable

2-Butoxyethanol

Results of PBT and vPvB assessment	Not applicable

12.6. Other adverse effects

Ecological information on ingredients.

Isopropyl Alcohol

Other adverse effects	Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.

2-Butoxyethanol

Other adverse effects	Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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General information The packaging must be empty (drop-free when inverted).

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Packaging: Recover and reclaim or recycle. If practical.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

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 MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

National regulations Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU legislation Dangerous Preparations Directive 1999/45/EC.
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) (as amended).
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 (as amended).

Guidance Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.

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Health and environmental listings	Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).
Water hazard classification	WGK 1

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
Revision date	23/04/2015
Revision	3
Risk phrases in full	R67 Vapours may cause drowsiness and dizziness.
Hazard statements in full	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness.