

SAFETY DATA SHEET IPA Electrowipes

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Product name	IPA Electrowipes
Product number	EWI, EEWI100, ZE
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	Cleaning agent.
Uses advised against	No specific uses advised against are identified.
1.3. Details of the supplier of t	he safety data sheet
Supplier	ELECTROLUBE. A division of HK WENTWORTH LTD ASHBY PARK, COALFIELD WAY, ASHBY DE LA ZOUCH, LEICESTERSHIRE LE65 1JR UNITED KINGDOM +44 (0)1530 419600 +44 (0)1530 416640 info@hkw.co.uk
1.4. Emergency telephone nur	nber
Emergency telephone	IN CASE OF EMERGENCY CALL: +44 1865 407333 (24hr, Provided by Carechem 24) +353 (0)1 809 2166 (Beaumont Hospital, Republic of Ireland only, 8am-10pm, 7 days a week)
SECTION 2: Hazards identific	ation
2.1. Classification of the subst	ance or mixture
Classification (EC 1272/2008)	
Physical hazards	Flam. Liq. 2 - H225
Health hazards	Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards	Not Classified
2.2. Label elements	
Hazard pictograms	
Signal word	Danger
Hazard statements	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Precautionary statements	 P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/ container in accordance with national regulations.
Contains	Propan-2-ol
Supplementary precautionary statements	 P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool.

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		
Propan-2-ol		60-100%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01- 2119457558-25-XXXX
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General informationGet medical attention if any discomfort continues. Show this Safety Data Sheet to the medical
personnel.

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.

Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.
Skin contact	Rinse with water.
Eye contact	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.
4.2. Most important symptoms	s 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	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	Irritating to eyes.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting measurements	sures
5.1. Extinguishing media	
Suitable extinguishing media	The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fr	om the substance or mixture
Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.
Hazardous combustion	
products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
products 5.3. Advice for firefighters	

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautionsWear protective clothing as described in Section 8 of this safety data sheet. No action shall be
taken without appropriate training or involving any personal risk. Evacuate area. Provide
adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage.
Promptly remove any clothing that becomes contaminated. Avoid inhalation of dust and
vapours. Use suitable respiratory protection if ventilation is inadequate.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe han	dling
Usage precautions	Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.
7.2. Conditions for safe stora	ge, including any incompatibilities
Storage precautions	Store locked up. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
Storage class	Flammable solid storage.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
SECTION 8: Exposure control	ols/Personal protection
8.1. Control parameters	

Occupational exposure limits

Propan-2-ol

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 WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	No specific hand protection recommended.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Keep container tightly sealed when not in use. Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Characteristic.
Odour threshold	Not available.
рН	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	12°C Closed cup.
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.

Relative density	0.7855 @ 20°C	
Bulk density	Not available.	
Solubility(ies)	Not available.	
Partition coefficient	Not available.	
Auto-ignition temperature	Not available.	
Decomposition Temperature	Not available.	
Viscosity	Not available.	
Explosive properties	Not considered to be explosive.	
Oxidising properties	Does not meet the criteria for classification as oxidising.	
9.2. Other information		
SECTION 10: Stability and rea	activity	
10.1. Reactivity		
Reactivity	There are no known reactivity hazards associated with this product.	
10.2. Chemical stability		
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.	
10.3. Possibility of hazardous	reactions	
Possibility of hazardous reactions	The following materials may react strongly with the product: Oxidising agents.	
10.4. Conditions to avoid		
Conditions to avoid	Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.	
10.5. Incompatible materials		
Materials to avoid	Oxidising materials. Acids - oxidising.	
10.6. Hazardous decomposition	on products	
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.	
SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity - oral		
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.	
Acute toxicity - dermal		
Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.	
Acute toxicity - inhalation Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.	
Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met.	
Serious eye damage/irritation		

Serious eye damage/irritation	Causes serious eye irritation.
Respiratory sensitisation Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity -	single exposure
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.
Torget ergene	
Target organs	Central nervous system
Specific target organ toxicity -	
Specific target organ toxicity -	repeated exposure
Specific target organ toxicity - STOT - repeated exposure Aspiration hazard	repeated exposure Not classified as a specific target organ toxicant after repeated exposure.
Specific target organ toxicity - STOT - repeated exposure Aspiration hazard Aspiration hazard	repeated exposure Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the
Specific target organ toxicity - STOT - repeated exposure Aspiration hazard Aspiration hazard General information	repeated exposure Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic
Specific target organ toxicity - STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation	 repeated exposure Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
Specific target organ toxicity - STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation Ingestion	 repeated exposure Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect. No specific symptoms known.
Specific target organ toxicity - STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin contact	 repeated exposure Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect. No specific symptoms known. No specific symptoms known.
Specific target organ toxicity - STOT - repeated exposure Aspiration hazard Aspiration hazard General information Inhalation Ingestion Skin contact Eye contact	 repeated exposure Not classified as a specific target organ toxicant after repeated exposure. Based on available data the classification criteria are not met. The severity of the symptoms described will vary dependent on the concentration and the length of exposure. A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect. No specific symptoms known. No specific symptoms known. Irritating to eyes.

Propan-2-ol

Acute toxicity - oral	
Notes (oral LD₅₀)	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.

Acute toxicity - inhalation		
Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.	
Skin corrosion/irritation		
Animal data	Based on available data the classification criteria are not met.	
Serious eye damage/irritation		
Serious eye damage/irritation	Causes serious eye irritation.	
Respiratory sensitisation		
Respiratory sensitisation	Based on available data the classification criteria are not met.	
Skin sensitisation		
Skin sensitisation	Based on available data the classification criteria are not met.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Based on available data the classification criteria are not met.	
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.	
Carcinogenicity		
Carcinogenicity	Based on available data the classification criteria are not met.	
IARC carcinogenicity	None of the ingredients are listed or exempt.	
Reproductive toxicity		
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.	
Reproductive toxicity - development	Based on available data the classification criteria are not met.	
Specific target organ toxici	ty - single exposure	
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.	
Target organs	Central nervous system	
Specific target organ toxici	ty - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.	
Aspiration hazard		
Aspiration hazard	Based on available data the classification criteria are not met.	
General information	The severity of the symptoms described will vary dependent on the concentration	
	and the length of exposure.	
Inhalation	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.	
Ingestion	No specific symptoms known.	
Skin contact	No specific symptoms known.	
Eye contact	Irritating to eyes.	

	Route of exposure	Ingestion Inhalation Skin and/or eye contact
	Target organs	Central nervous system
SECTION 1	12: Ecological information	
Ecotoxicity	-	arded as dangerous for the environment. However, large or frequent spills may have us effects on the environment.
Ecological i	information on ingredients.	
		Propan-2-ol
	Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
12.1. Toxici	ity	
Toxicity	Based o	n available data the classification criteria are not met.
Ecological i	information on ingredients.	
		Propan-2-ol
	Toxicity	Based on available data the classification criteria are not met.
	Acute aquatic toxicity	
	Acute toxicity - fish	LC₅₀, 96 hours: 10000 mg/l, Pimephales promelas (Fat-head Minnow)
	Acute toxicity - aquatic invertebrates	LC₅₀, 24 hours: >10000 mg/l, Daphnia magna
	Acute toxicity - aquatic plants	EC₅₀, 7 days: 1800 mg/l, Scenedesmus quadricauda
12.2. Persis	stence and degradability	
Persistence	e and degradability The deg	radability of the product is not known.
Ecological i	information on ingredients.	
		Propan-2-ol
	Persistence and degradability	The degradability of the product is not known.
	Biodegradation	Water - Degradation 53%: 5 days
	Biological oxygen demand	1.19-1.72 g O₂/g substance
	Chemical oxygen demand	2.23 g O₂/g substance
	cumulative potential	
12.3. Bioac		available on bioaccumulation.
	lative potential No data	
Bioaccumul Partition co		

12.4. Mobility in soil

Mobility	No data available.
Ecological information on ingredients.	
Propan-2-ol	
Mobility	No data available.
12.5. Results of PBT and vPvE	
Ecological information on ingre	
	Propan-2-ol
Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current EU criteria. assessment	
12.6. Other adverse effects	
Other adverse effects	None known.
Ecological information on ingre	edients.
	Propan-2-ol
Other adverse eff	fects None known.
SECTION 13: Disposal consid	
13.1. Waste treatment method	
General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
SECTION 14: Transport inform	nation
General	For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.
14.1. UN number	
UN No. (ADR/RID)	3175
UN No. (IMDG)	3175
UN No. (ICAO)	3175
UN No. (ADN)	3175
14.2. UN proper shipping name	e
Proper shipping name (ADR/RID)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (CONTAINS PROPAN-2-OL)
Proper shipping name (IMDG)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (CONTAINS PROPAN-2-OL)
Proper shipping name (ICAO)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (CONTAINS PROPAN-2-OL)
Proper shipping name (ADN)	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (CONTAINS PROPAN-2-OL)

14.3. Transport hazard class(es)

ADR/RID class	4.1
ADR/RID classification code	F1
ADR/RID label	4.1
IMDG class	4.1
ICAO class/division	4.1
ADN class	4.1

Transport labels



14.4. Packing group	
ADR/RID packing group	П
IMDG packing group	П
ICAO packing group	П
ADN packing group	П

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS	F-A, S-I
ADR transport category	2
Emergency Action Code	1Z
Hazard Identification Number (ADR/RID)	40
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

EU legislation	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).
	Commission Regulation (EU) No 453/2010 of 20 May 2010.
	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).
	Dangerous Preparations Directive 1999/45/EC.
	Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008	STOT SE 3 - H336: Eye Irrit. 2 - H319: : Calculation method. Flam. Liq. 2 - H225: : Expert judgement.
Training advice	Read and follow manufacturer's recommendations.
Issued by	Bethan Massey
Revision date	24/05/2016
Revision	1
SDS number	1170
Hazard statements in full	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.