

SAFETY DATA SHEET PRINTASOLVE 400ML

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

1.1. Product identifier

Product name PRINTASOLVE 400ML
Product No. PRS, EPRS400D, ZE

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

Identified uses Cleaning Product
Uses advised against At this moment in time we do not have information on use restrictions. They will be included in this safety data sheet when available

1.3. Details of the supplier of the 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 number

+44 (0)1530 419600 between 8.30am - 5.00pm GMT Mon – Fri

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Aerosol 1 - H222
Human health	Eye Irrit. 2 - H319; STOT SE 3 - H336, H335
Environment	Aquatic Chronic 2 - H411

Classification (1999/45/EEC) Xi;R36/37. F+;R12. N;R51/53. R67.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Environment

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Use appropriate containment to avoid environmental contamination. Avoid release to the environment. Refer to special instructions/safety data sheets. Dispose of waste and residues in accordance with local authority requirements.

Physical and Chemical Hazards

Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



PRINTASOLVE 400ML

Signal Word	Danger	
Hazard Statements	H222 H319 H335 H336 H411	Extremely flammable aerosol. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Precautionary Statements	P210 P273 P280 P305+351+338 P313	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid release to the environment. Wear protective gloves, eye and face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Supplementary Precautionary Statements	P211 P251 P261 P410+412	Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing vapour/spray. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ETHANOL	30-60%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
SOLVENT NAPHTHA (petroleum, light)	30-60%
CAS-No.: 64742-95-6	EC No.: 265-199-0
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xn;R65. Xi;R37. N;R51/53. R10.
PROPAN-2-OL	10-30%
CAS-No.: 67-63-0	EC No.: 200-661-7
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67

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BUTYL ACETATE -norm	1-5%
CAS-No.: 123-86-4	EC No.: 204-658-1

Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336	Classification (67/548/EEC) R10 R66 R67
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METHANOL	1-5%
CAS-No.: 67-56-1	EC No.: 200-659-6

Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25
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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Rinse mouth thoroughly. Get medical attention.

Skin contact

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Alcohol resistant foam. Powder. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Aerosol cans may explode in a fire.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Move container from fire area if it can be done without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTYL ACETATE -norm	WEL	150 ppm	724 mg/m ³	200 ppm	966 mg/m ³	
ETHANOL	WEL	1000 ppm	1920 mg/m ³			
METHANOL	WEL	200 ppm	266 mg/m ³	250 ppm	333 mg/m ³	Sk
PROPAN-2-OL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	

WEL = Workplace Exposure Limit.
 Sk = Can be absorbed through skin.

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PROPAN-2-OL (CAS: 67-63-0)

DNEL

Industry	Dermal	888	mg/kg/day
Industry	Inhalation.	500	mg/m3
Consumer	Dermal	319	mg/kg/day
Consumer	Inhalation.	89	mg/m3
Consumer	Oral	26	mg/kg/day

PNEC

Freshwater	140.9	mg/l
Marinewater	140.9	mg/l
Sediment	552	mg/kg
Soil	28	mg/kg

BUTYL ACETATE -norm (CAS: 123-86-4)

DNEL

Industry	Inhalation.	Long Term	Systemic Effects	480 mg/m3
Industry	Inhalation.	Short Term	Systemic Effects	960 mg/m3
Consumer	Inhalation.	Short Term	Systemic Effects	859.7 mg/m3
Consumer	Inhalation.	Long Term	Systemic Effects	102.34 mg/m3
Consumer	Inhalation.	Long Term	Local Effects	102.34 mg/m3
Industry	Inhalation.	Long Term	Local Effects	480 mg/m3
Consumer	Inhalation.	Short Term	Local Effects	859.7 mg/m3
Industry	Inhalation.	Short Term	Local Effects	960 mg/m3

PNEC

Freshwater	0.18	mg/l
Marinewater	0.018	mg/l
Intermittent release	0.36	mg/l
STP	35.6	mg/l
Sediment (Freshwater)	0.981	mg/kg
Sediment (Marinewater)	0.0981	mg/kg
Soil	0.0903	mg/kg

8.2. Exposure controls

Protective equipment



Engineering measures

Provide sufficient ventilation during operations which cause vapour formation.

Respiratory equipment

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. It is recommended to use respiratory equipment with combination filter, type A2/P3.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.
DO NOT SMOKE IN WORK AREA!

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Characteristic.
Solubility	Immiscible with water
Initial boiling point and boiling range (°C)	>78 (172.4 F)
Melting point (°C)	>-117 (242.6 F)
Relative density	0.846 @ 20 °C (68 F)
Bulk Density	846 kg/m3
Vapour pressure	6.26 kPa @ 20 °C (68 F)
Viscosity	850 - 1450 mPas @ 20 °C (68 F)
Flash point (°C)	>12 (53.6 F) CC (Closed cup).

Flammability Limit - Lower(%) 3.5
 Flammability Limit - Upper(%) 19

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Product has a defatting effect on skin. Prolonged or repeated exposure may cause severe irritation.

Eye contact

Irritating to eyes.

Toxicological information on ingredients.

METHANOL (CAS: 67-56-1)

Toxic Dose 1 - LD 50

9100 mg/kg (oral rat)

Toxic Conc. - LC 50

145000 ppm/4h (inh-rat)

ETHANOL (CAS: 64-17-5)

Acute toxicity:

Acute Toxicity (Oral LD50)

6200 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 20000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 8000 mg/l (vapours) Rat 4 hours

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PROPAN-2-OL (CAS: 67-63-0)

Acute toxicity:

Acute Toxicity (Oral LD50)

5280 mg/kg Rat

Acute Toxicity (Dermal LD50)

12800 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

72.6 mg/l (vapours) Rat 4 hours

BUTYL ACETATE -norm (CAS: 123-86-4)

Acute toxicity:

Acute Toxicity (Oral LD50)

10760 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 14112 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

23.4 mg/l (vapours) Rat 4 hours

SOLVENT NAPHTHA (petroleum, light) (CAS: 64742-95-6)

Toxic Dose 1 - LD 50

>6800 mg/kg (oral rat)

Toxic Dose 2 - LD 50

>3000 mg/kg (oral-rbt)

Toxic Conc. - LC 50

>10.2 mg/l/4h (inh-rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

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Ecological information on ingredients.

METHANOL (CAS: 67-56-1)

LC 50, 96 Hrs, Fish mg/l
10800
EC 50, 48 Hrs, Daphnia, mg/l
24500
IC 50, 72 Hrs, Algae, mg/l
8000

ETHANOL (CAS: 64-17-5)

Acute Toxicity - Fish
LC50 48 hours 8140 mg/l
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours > 9268 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
IC50 72 hours 5000 mg/l

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity - Fish
LC50 96 hours 9640 mg/l Pimephales promelas (Fat-head Minnow)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 13299 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
EC50 72 hours > 1.000 mg/l Scenedesmus subspicatus
Acute Toxicity - Microorganisms
EC50 > 1.000 mg/l Activated sludge

BUTYL ACETATE -norm (CAS: 123-86-4)

Acute Toxicity - Fish
LC50 96 hours 18 mg/l Pimephales promelas (Fat-head Minnow)
Acute Toxicity - Aquatic Invertebrates
EC50 48 hours 44 mg/l Daphnia magna
Acute Toxicity - Aquatic Plants
EC50 72 hours 647.7 mg/l Scenedesmus subspicatus
NOEC 200 mg/l Scenedesmus subspicatus

SOLVENT NAPHTHA (petroleum, light) (CAS: 64742-95-6)

LC 50, 96 Hrs, Fish mg/l
3.77
EC 50, 48 Hrs, Daphnia, mg/l
7.4

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

Ecological information on ingredients.

BUTYL ACETATE -norm (CAS: 123-86-4)

Degradability
The product is easily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Ecological information on ingredients.

METHANOL (CAS: 67-56-1)

Bioaccumulative potential
The product is not bioaccumulating.

BUTYL ACETATE -norm (CAS: 123-86-4)

Bioaccumulative potential
No data available on bioaccumulation.

12.4. Mobility in soil

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Ecological information on ingredients.

METHANOL (CAS: 67-56-1)

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

Ecological information on ingredients.

BUTYL ACETATE -norm (CAS: 123-86-4)

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

The product contains substances which contribute to global warming (greenhouse effect).

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Do not puncture or incinerate even when empty.

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General

This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1litre packed in cartons of less than 30kg gross to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed must show the following

14.1. UN number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2. UN proper shipping name

Proper Shipping Name	AEROSOLS (SOLVENT NAPHTHA (petroleum, light))
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14.3. Transport hazard class(es)

ADR/RID/ADN Class	2
ADR/RID/ADN Class	Class 2: Gases
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
Transport Labels	



14.4. Packing group

ADR/RID/ADN Packing group	N/A
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IMDG Packing group N/A
 ICAO Packing group N/A

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

EMS F-D, S-U
 Tunnel Restriction Code (D)

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

No information required.

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Issued By Helen O'Reilly
 Revision Date APRIL 2013
 Revision 5
 SDS No. 10539

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Risk Phrases In Full

R12	Extremely flammable.
R10	Flammable.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36/37	Irritating to eyes and respiratory system.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R66	Repeated exposure may cause skin dryness or cracking.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H370	Causes damage to organs <<Organs>>.
H319	Causes serious eye irritation.
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

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.