

# SAFETY DATA SHEET

## ELECTRONIC CLEANING SOLVENT PLUS (COMBI)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

**PRODUCT NAME:** ELECTRONIC CLEANING SOLVENT PLUS (COMBI)

**PART No.:** EECSP200DB

**SUPPLIER:** H K WENTWORTH PTY LIMITED  
P.O. BOX 339  
BROOKVALE, NSW 2100  
AUSTRALIA  
Tel: 02 9938 1566  
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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: PENTANE 109-66-0	203-692-4	Xn ,Fx ,N R-12, 51/53, 66, 67, 65	60-100 %
1,1,DIFLUOROETHANE R152A 75-37-6	200-866-1	Fx R-12	1-5 %
PROPAN-2-OL 67-63-0	200-661-7	Xi ,F R-11, 36, 67	1-5 %

The Full Text for all R-Phrases are Displayed in Section 16

### 3. HAZARDS IDENTIFICATION:

Extremely flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

HAZARDOUS SUBSTANCE: DANGEROUS GOODS

### 4. FIRST AID MEASURES:

**INHALATION:** Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Get medical attention.

**INGESTION:** Immediately rinse mouth and provide fresh air.

**SKIN:** Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**EYES:** 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.

### 5. FIRE FIGHTING MEASURES:

**EXTINGUISHING MEDIA:** Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Move container from fire area if it can be done without risk.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Aerosol cans may explode in fires.

## 6. ACCIDENTAL RELEASE MEASURES:

**SPILL CLEANUP METHODS:** Absorb in vermiculite, dry sand or earth and place into containers. Ventilate well.

## 7. HANDLING AND STORAGE:

**USAGE PRECAUTIONS:** Avoid spilling, skin and eye contact. Provide good ventilation.

**STORAGE PRECAUTIONS:** Store at moderate temperatures in dry, well ventilated area.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
PROPAN-2-OL	67-63-0	OES	400 ppm	500 ppm
PENTANE	109-66-0	OES	600 ppm	750 ppm

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

**HYGIENIC WORK PRACTICES:** Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material. **DO NOT SMOKE IN WORK AREA!**

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** Aerosol. Liquid.

**COLOUR:** Colourless.

**ODOUR/TASTE:** Characteristic.

**PHYSICAL DATA COMMENTS:** Information given concerns the major ingredient.

**BOILING POINT (°C, interval):** 36

**Pressure:**

**MELT./FREEZ. POINT (°C, interval):** -130

**DENSITY/SPECIFIC GRAVITY (g/ml):** 0.650

**Temperature (°C):** 20

**BULK DENSITY:** 650 kg/m<sup>3</sup>

**VAPOUR PRESSURE:** 5.33 kPa

**Temperature (°C):** 19

**VOLATILITY DESCRIPTION:** Volatile.

**SOLUBILITY DESCRIPTION:** Immiscible with water.

**FLASH POINT (°C):** - 48

**Method:** CC (Closed cup).

**AUTO IGNITION TEMP. (°C):** 309

**FLAMMABILITY LIMIT - LOWER(%):** 1.4

**FLAMMABILITY LIMIT - UPPER(%):** 7.8

## 10. STABILITY AND REACTIVITY:

<b>STABILITY:</b>	Normally stable.
<b>CONDITIONS TO AVOID:</b>	Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

## 11. TOXICOLOGICAL INFORMATION:

<b>INHALATION:</b>	May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
<b>SKIN:</b>	Product has a defatting effect on skin. Prolonged or repeated contact leads to drying of skin. Prolonged or repeated exposure may cause severe irritation.
<b>EYES:</b>	Irritating to eyes.
<b>OTHER HEALTH EFFECTS:</b>	This substance has no evidence of carcinogenic properties.
<b>ROUTE OF ENTRY:</b>	Inhalation.

## 12. ECOLOGICAL INFORMATION:

<b>ECOLOGICAL INFORMATION:</b>	Dangerous for the environment if discharged into watercourses.
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## 13. DISPOSAL CONSIDERATIONS:

<b>DISPOSAL METHODS:</b>	Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.
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## 14. TRANSPORT INFORMATION:

### LABEL FOR CONVEYANCE:



<b>UN No. ROAD:</b>	1950
<b>UK ROAD TRANSPORT CLASS:</b>	2.1
<b>UK ROAD PACK GR.:</b>	Not Applicable
<b>ADR CLASS No.:</b>	2.1
<b>ADR CLASS:</b>	Division 2.1: Flammable gases.
<b>ADR ITEM No.:</b>	Not Applicable
<b>ADR MARGINAL:</b>	2201
<b>ADR LABEL No.:</b>	2.1
<b>CEFIC TEC(R) No.:</b>	20G5F
<b>PROPER SHIPPING NAME I:</b>	AEROSOLS
<b>RID CLASS No.:</b>	2.1
<b>RID ITEM No.:</b>	Not Applicable

<b>UN No. SEA:</b>	1950
<b>IMDG CLASS:</b>	2.1
<b>IMDG PACK GR.:</b>	Not Applicable
<b>EmS No.:</b>	F-D; S-U
<b>MFAG TABLE No.:</b>	See Guide
<b>MARINE POLLUTANT:</b>	No.
<b>UN No., AIR:</b>	1950
<b>ICAO CLASS:</b>	2.1
<b>AIR PACK GR.:</b>	Not Applicable

## 15. REGULATORY INFORMATION:

### LABEL FOR SUPPLY:



<b>RISK PHRASES:</b>	R-12 Extremely flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-66 Repeated exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness.
<b>SAFETY PHRASES:</b>	S-16 Keep away from sources of ignition - No Smoking. S-37 Wear suitable gloves. S-51 Use only in well ventilated areas. S-9 Keep container in a well ventilated place. SPECIAL PROVISIONS ON THE LABELLING OF AEROSOL DISPENSERS. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep out of the reach of children.
<b>UK REGULATORY REFERENCES:</b>	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972. Chemicals (Hazard Information & Packaging) Regulations 1993.
<b>ENVIRONMENTAL LISTING:</b>	Rivers (Prevention of Pollution) Act 1961. Control of Pollution Act 1974.
<b>EU DIRECTIVES:</b>	System of specific information relating to Dangerous Preparations. 91\155.
<b>APPROVED CODE OF PRACTICE:</b>	Classification and Labelling of Substances and Preparations Dangerous for Supply.
<b>GUIDANCE NOTES:</b>	Occupational Exposure Limits EH40. CHIP for everyone HSG(108).

## 16. OTHER INFORMATION:

<b>USER NOTES:</b>	CN No 38140090
<b>REVISION COMMENTS:</b>	Revised in accordance with CHIP3 and EU Directive 1999/45/EC
<b>ISSUED BY:</b>	Helen O'Reilly
<b>REVISION DATE:</b>	MAY 2003
<b>REV. No./REPL. SDS GENERATED:</b>	0
<b>SDS No.:</b>	10333

**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 unless specified in the text. The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification

**R-PHRASES (Full Text):**

R-11 Highly flammable. R-36 Irritating to eyes. R-67 Vapours may cause drowsiness and dizziness. R-12 Extremely flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-66 Repeated exposure may cause skin dryness or cracking. R-65 Harmful: may cause lung damage if swallowed.