



## SAFETY DATA SHEET CARDCLENE PLAIN CARD SACHET

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

#### 1.1. Product identifier

**Product name** CARDCLENE PLAIN CARD SACHET  
**Product No.** CCP020  
ACCP020  
APMK000  
ZA  
ACCP100S

#### 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** AF INTERNATIONAL. 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 Mon – Fri

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

**Classification (1999/45/EEC)** Xi;R36. F;R11. R67.

#### 2.2. Label elements

##### Labelling



Irritant



Highly flammable

##### Risk Phrases

R11	Highly flammable
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

##### Safety Phrases

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51	Use only in well-ventilated areas.

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**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

PROPAN-2-OL		30-60%
CAS-No.: 67-63-0	EC No.: 200-661-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 - H225	F;R11	
Eye Irrit. 2 - H319	Xi;R36	
STOT SE 3 - H336	R67	

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. Get medical attention if any discomfort continues.

**Ingestion**

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. 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****Inhalation.**

Vapours may cause drowsiness and dizziness.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

**Eye contact**

May cause severe irritation to eyes.

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

Treat symptomatically

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture****Hazardous combustion products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Specific hazards**

Oxides of: Carbon.

**5.3. Advice for firefighters**

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### Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Dike and collect extinguishing water.

### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Follow precautions for safe handling described in this safety data sheet. Do not smoke, use open fire or other sources of ignition. Take precautionary measures against static discharges. Provide adequate ventilation.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Not relevant

### 6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid inhalation of vapours.

### 7.2. Conditions for safe storage, including any incompatibilities

No special storage precautions noted.

### Storage Class

Flammable liquid storage.

### 7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
PROPAN-2-OL	WEL	400 ppm	999 mg/m <sup>3</sup>	500 ppm	1250 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Process conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

#### Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

#### Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use respiratory equipment with combination filter, type A2/P3. EN14387

#### Hand protection

Use protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Butyl rubber gloves are recommended. Gloves should conform to EN374

**CARDCLENE PLAIN CARD SACHET****Eye protection**

Not relevant

**Other Protection**

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

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke. Eating, smoking and water fountains prohibited in immediate work area.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Solubility</b>	Miscible with water
<b>Initial boiling point and boiling range</b>	82 (179.6 F)
<b>Melting point (°C)</b>	-89 (-128.2 F)
<b>Relative density</b>	0.780 @ 20 °C (68 F)
<b>Vapour density (air=1)</b>	2.8
<b>Vapour pressure</b>	4.3 kPa @ 20 °C (68 F)
<b>Flash point</b>	12 (53.6 F) CC (Closed cup).
<b>Auto Ignition Temperature (°C)</b>	425 (797 F)
<b>Flammability Limit - Lower(%)</b>	2.3
<b>Flammability Limit - Upper(%)</b>	12
<b>Comments</b>	Information given concerns the major ingredient.

**9.2. Other information****SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Reaction with: Strong oxidising agents.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions****Hazardous Polymerisation**

Will not polymerise.

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials****Materials To Avoid**

Strong oxidising substances.

**10.6. Hazardous decomposition products**

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:****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

**Respiratory or skin sensitisation:**

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### Skin sensitisation

Buehler test: Guinea Pig  
Not Sensitising.

### Inhalation

May cause irritation to the respiratory system. Vapours may cause drowsiness and dizziness.

### Ingestion

May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

### Skin contact

Irritating to skin. Prolonged contact may cause dryness of the skin. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

### Eye contact

Irritating to eyes.

### Route of entry

Skin absorption. Ingestion. Skin and/or eye contact.

### Target Organs

Central nervous system Eyes Respiratory system, lungs Skin

### Medical Symptoms

Irritation of eyes and mucous membranes. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Skin irritation. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo.

#### Toxicological information on ingredients.

#### 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

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

#### 12.1. Toxicity

##### **Acute Fish Toxicity**

Not considered toxic to fish.

##### **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

**CARDLENE PLAIN CARD SACHET****Ecological information on ingredients.****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 &gt; 1.000 mg/l Scenedesmus subspicatus

**Acute Toxicity - Microorganisms**

EC50 &gt; 1.000 mg/l Activated sludge

**12.2. Persistence and degradability****Degradability**

The product is biodegradable.

**12.3. Bioaccumulative potential****Bioaccumulative potential**

Will not bio-accumulate.

**12.4. Mobility in soil****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.

**12.6. Other adverse effects**

Not determined.

**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. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION**

<b>Road Transport Notes</b>	Exempt from regulations through Special Provision 216
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<b>Sea Transport Notes</b>	Exempt from regulations through Special Provision 216
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<b>Air Transport Notes</b>	Exempt from regulation through Special Provision A46
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**14.1. UN number**

<b>UN No. (ADR/RID/ADN)</b>	3175
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<b>UN No. (IMDG)</b>	3175
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<b>UN No. (ICAO)</b>	3175
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**14.2. UN proper shipping name**

<b>Proper Shipping Name</b>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)
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**14.3. Transport hazard class(es)**

<b>ADR/RID/ADN Class</b>	4.1
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<b>ADR/RID/ADN Class</b>	Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives.
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<b>ADR Label No.</b>	4.1
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**CARDCLENE PLAIN CARD SACHET**

IMDG Class 4.1  
 ICAO Class/Division 4.1  
 Transport Labels

**14.4. Packing group**

ADR/RID/ADN Packing group II  
 IMDG Packing group II  
 ICAO Packing group II

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
 No.

**14.6. Special precautions for user**

EMS F-A, S-I  
 Emergency Action Code 1Z  
 Hazard No. (ADR) 40  
 Tunnel Restriction Code (E)

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

Not applicable.

<b>SECTION 15: REGULATORY INFORMATION</b>
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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Uk Regulatory References**

Chemicals (Hazard Information & Packaging) Regulations.

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40.

**EU Legislation**

System of specific information relating to Dangerous Preparations. 2001/58/EC.

Dangerous Substance Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

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.

**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**

## CARDCLENE PLAIN CARD SACHET

### SECTION 16: OTHER INFORMATION

#### Revision Comments

Revised in accordance with CHIP3 and EU Directives 1999/45/EC and 2001/58/EC

**Issued By** Helen O'Reilly

**Revision Date** JULY 2012

**Revision** 6

**SDS No.** 10828

#### Risk Phrases In Full

R11 Highly flammable

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

#### Hazard Statements In Full

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

#### 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.