

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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140185 NatureCare FRC Universal Print Replacement Cartridge Part A (P1) T/M 2x110m2

Revision 1

Revision date 2013-02-27

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

1.1. Product identifier

Product name 140185 NatureCare FRC Universal Print Replacement Cartridge Part A (P1) T/M 2x110m2

1.3. Details of the supplier of the safety data sheet

Company	Champion Photochemistry Sdn Bhd
Address	Lot 28-B Mukim Batu Industrial Area 6 1/2 Miles Jalan Kepong 52000 Kuala Lumpur MALAYSIA
Web	www.championphotochemistry.com
Telephone	+603-6257 2600
Fax	+603-6257 2622

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC C; R35 Xi; R43 N; R51/53
Symbols: Xn: Harmful. N: Dangerous for the environment.

Main hazards Causes severe burns. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Symbols The product is classified in accordance with 67/548/EEC.
Xn: Harmful. N: Dangerous for the environment.



Risk phrases R35 - Causes severe burns.
R43 - May cause sensitisation by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases S24 - Avoid contact with skin.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of.
S29 - Do not empty into drains.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
DI Water		7732-18-5			60 - 70%	
Potassium Hydroxide	019-002-00-8	1310-58-3	215-181-3		1 - 10%	Xn; R22 C; R35
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt		133986-51-3			10 - 20%	
4-(N-Ethyl-N-2-methanesulphonylamnoethyl)-2-methylphenylenediamine sesquisulphate monohydrate	612-134-00-2	25646-71-3	247-161-5		1 - 10%	Xn; R22 R43 N; R50/53
Polyethylene Glycol 400		25322-68-3	500-038-2		1 - 10%	
Triethanolamine 99%		102-71-6			1 - 10%	
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 10%	Xi; R36
Ethylenediaminetetraacetic Acid		60-00-4	200-449-4		1 - 10%	Xi; R36

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention. Irritating to eyes.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Not applicable. This product is not flammable.
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5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Protective equipment. Wear suitable respiratory equipment when necessary. In case of fire and/or explosion do not breathe fumes.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Polyethylene Glycol 400	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 10mg/m3 WEL 15 min limit mg/m3:
Potassium Hydroxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: 2

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear chemical protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection - Handprotection

Chemical resistant gloves (PVC).

Respiratory protection

Not normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Yellow
pH	13
Solubility	Soluble in water

9.2. Other information

Specific gravity 1.17 g/cm³

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

May cause irritation to skin. Prolonged or repeated exposure may cause irritation to skin and mucous membranes.

Repeated or prolonged exposure

May cause allergic reactions in susceptible people. May cause severe irritation to eyes and skin.

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

140185 NatureCare FRC Universal Print Replacement Cartridge Part A (P1) T/M 2x110m2

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12.1. Toxicity

	No data available
	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Do not empty into drains; dispose of this material and its container in a safe way. Do NOT mix with any other product. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
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SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

Further information

	Not regulated.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R22 - Harmful if swallowed. R35 - Causes severe burns. R36 - Irritating to eyes. R43 - May cause sensitisation by skin contact. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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Further information

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140185 NatureCare FRC Universal Print Replacement Cartridge Part B (P2A) T/M 2x110m2

Revision 0

Revision date 2013-01-08

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

1.1. Product identifier	
Product name	140185 NatureCare FRC Universal Print Replacement Cartridge Part B (P2A) T/M 2x110m2
1.3. Details of the supplier of the safety data sheet	
Company	Champion Photochemistry Sdn Bhd
Address	Lot 28-B Mukim Batu Industrial Area 6 1/2 Miles Jalan Kepong 52000 Kuala Lumpur MALAYSIA
Web	www.championphotochemistry.com
Telephone	+603-6257 2600
Fax	+603-6257 2622

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
Main hazards	No Significant Hazard
2.2. Label elements	
Risk phrases	The product is classified in accordance with 67/548/EEC. No Significant Hazard.

SECTION 3: Composition/information on ingredients

3.2. Mixtures						
67/548/EEC / 1999/45/EC						
Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
DI Water		7732-18-5			50 - 60%	
Ammonium Fe EDTA 50%		21265-50-9	244-302-2		40 - 50%	
Acetic Acid Glacial (Acetic acid)	607-002-00-6	64-19-7	200-580-7		1 - 10%	R10 C; R35

SECTION 4: First aid measures

4.1. Description of first aid measures	
Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Carbon oxides. Not applicable.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes. Ammonia, SO_x, NO_x may be formed in fire conditions.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Acetic Acid Glacial (Acetic acid)	DIR: 91/322 8hTWA mg/m ³ : 25 STEL mg/m ³ : -	8hTWA ppm: 10 STEL ppm: - NOT: -
Ammonium Fe EDTA 50%	WEL 8-hr limit ppm: ammonia, aqueous solution 50ppm 35mg/m ³ WEL 15 min limit ppm:	WEL 8-hr limit mg/m ³ : WEL 15 min limit mg/m ³ :

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear chemical protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection - Handprotection

Chemical resistant gloves (PVC).

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8.2. Exposure controls

Respiratory protection	Wear: Suitable respiratory equipment.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Brown
Odour	Slight
pH	5.8
Relative density	1.119
Solubility	Soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

	No data available
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
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IMDG

	The product is not classified as dangerous for carriage.
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IATA

	The product is not classified as dangerous for carriage.
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Further information

	The product is not classified as dangerous for carriage.
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SECTION 15: Regulatory information

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

	Not regulated.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R10 - Flammable R35 - Causes severe burns.
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Further information

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Further information

	combination with any other materials or in any other process.
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140185 NatureCare FRC Universal Print Replacement Cartridge Part C (P2B) T/M 2x110m2

Revision 0
Revision date 2013-01-08

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

1.1. Product identifier	
Product name	140185 NatureCare FRC Universal Print Replacement Cartridge Part C (P2B) T/M 2x110m2
1.3. Details of the supplier of the safety data sheet	
Company	Champion Photochemistry Sdn Bhd
Address	Lot 28-B Mukim Batu Industrial Area 6 1/2 Miles Jalan Kepong 52000 Kuala Lumpur MALAYSIA
Web	www.championphotochemistry.com
Telephone	+603-6257 2600
Fax	+603-6257 2622

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
2.1.1. Classification - 1999/45/EC	R31 Symbols:
Main hazards	Contact with acids liberates toxic gas.
2.2. Label elements	
Risk phrases	The product is classified in accordance with 67/548/EEC. R31 - Contact with acids liberates toxic gas.

SECTION 3: Composition/information on ingredients

3.2. Mixtures						
67/548/EEC / 1999/45/EC						
Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
DI Water		7732-18-5			50 - 60%	
Ammonium Thiosulphate		7783-18-8	231-982-0		30 - 40%	
Ammonium Bisulphite		10192-30-0	233-469-7		1 - 10%	Xi; R36/37/38 R31
Sodium metabisulphite (Disodium disulphite)	016-063-00-2	7681-57-4	231-673-0		1 - 10%	Xn; R22 Xi; R41 R31

SECTION 4: First aid measures

4.1. Description of first aid measures	
Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

140185 NatureCare FRC Universal Print Replacement Cartridge Part C (P2B) T/M 2x110m2

 Revision 0
 Revision date 2013-01-08

4.1. Description of first aid measures

Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.
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SECTION 5: Firefighting measures

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Sodium metabisulphite (Disodium disulphite)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear: Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

140185 NatureCare FRC Universal Print Replacement Cartridge Part C (P2B) T/M 2x110m2

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Revision date 2013-01-08

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Yellow
Odour	Slight
pH	5.8
Relative density	1.248
Solubility	Soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

SECTION 11: Toxicological information

11.1.4. Toxicological Information

No data available

Further information

No observed effect concentration. No observed effect level.

SECTION 12: Ecological information

12.1. Toxicity

No data available

Further information

No data is available on this product. No environmental requirements. No known adverse environmental effects.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

ADR/RID

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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

Not regulated.

SECTION 16: Other information

Other information

Text of risk phrases in Section 3

R22 - Harmful if swallowed.
R31 - Contact with acids liberates toxic gas.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R41 - Risk of serious damage to eyes.

Further information

140185 NatureCare FRC Universal Print Replacement Cartridge Part C (P2B) T/M 2x110m2

Revision 0

Revision date 2013-01-08

Further information

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