

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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140189 NatureCare EZC Print Replacement Cartridge Part A T/M 110m2

Revision 2
Revision date 2017-06-09

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

1.1. Product identifier	
Product name	140189 NatureCare EZC Print Replacement Cartridge Part A T/M 110m2
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	Xn; R22 Xi; R43 N; R51/53 Symbols: Xn: Harmful. N: Dangerous for the environment.
Main hazards	Harmful if swallowed. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314; Skin Sens. 1: H317; Aquatic Chronic 2: H411;
2.2. Label elements	
Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse

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2.2. Label elements

Precautionary Statement: Storage Precautionary Statement: Disposal	skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P391 - Collect spillage.
	P405 - Store locked up.
	P501 - Dispose of contents/container to hazardous or special waste collection point.

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	M-factor.
Monoethylene glycol	603-027-00-1	107-21-1	203-473-3		20 - 30%	Xn; R22	
DI Water		7732-18-5			20 - 30%		
Polyethylene Glycol 400		25322-68-3	500-038-2		10 - 20%		
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt		133986-51-3			1 - 10%		
Potassium Carbonate		584-08-7	209-529-3		1 - 10%	Xi; R36/37/38	
4-(N-Ethyl-N-2-methanesulphonylaminoethyl)-2-methylphenylenediamine sesquisulphate monohydrate	612-134-00-2	25646-71-3	247-161-5		1 - 10%	Xn; R22 R43 N; R50/53	
Ethylenediaminetetraacetic Acid		60-00-4	200-449-4		1 - 3%	Xi; R36	
Diethylhydroxylamine 85% w/w		3710-84-7	223-055-4		0 - 0.5%	Xn; R20/21 Xi; R36/37/38 R10-53	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Monoethylene glycol	603-027-00-1	107-21-1	203-473-3		20 - 30%	Acute Tox. 4: H302;	
DI Water		7732-18-5			20 - 30%		
Polyethylene Glycol 400		25322-68-3	500-038-2		10 - 20%		
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt		133986-51-3			1 - 10%		
Potassium Carbonate		584-08-7	209-529-3		1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	
4-(N-Ethyl-N-2-methanesulphonylaminoethyl)-2-methylphenylenediamine sesquisulphate monohydrate	612-134-00-2	25646-71-3	247-161-5		1 - 10%	Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
Ethylenediaminetetraacetic Acid		60-00-4	200-449-4		1 - 3%	Eye Irrit. 2: H319;	
Diethylhydroxylamine 85% w/w		3710-84-7	223-055-4		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Acute Tox. 4: H312; Acute Tox. 4: H332;	

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.
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4.1. Description of first aid measures

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.

5.2. Special hazards arising from the substance or mixture

Corrosive. Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Protective equipment. Wear suitable respiratory equipment when necessary. In case of fire and/or explosion do not breathe fumes.

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.

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. 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.

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

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8.1.1. Exposure Limit Values

Monoethylene glycol	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10	
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -	
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:	
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:	
	WEL 8-hr limit ppm: 20	WEL 8-hr limit mg/m3: 52	
	WEL 15 min limit ppm: 40	WEL 15 min limit mg/m3: 104	
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:	
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:	
	Polyethylene Glycol 400	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 10mg/m3 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

8.2. Exposure controls

<p>8.2.1. Appropriate engineering controls</p> <p>8.2.2. Individual protection measures</p> <p>Eye / face protection</p> <p>Skin protection - Handprotection</p> <p>Respiratory protection</p>	 
	Ensure adequate ventilation of the working area.
	Wear chemical protective clothing.
	Approved safety goggles.
	Chemical resistant gloves (PVC).
	Wear: Self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellow/Orange
Odour threshold	Not relevant
pH	13.3
Melting point	Not relevant
Freezing Point	< 0 °C
Initial boiling point	Not determined
Flash point	Not relevant
Evaporation rate	Not relevant
Flammability (solid, gas)	Not relevant
Upper Explosive Limit	Not relevant
Lower Explosive Limit	Not relevant
Vapour pressure	Not relevant
Vapour density	Not relevant
Partition coefficient (n-octanol/water)	Not relevant
Autolgnition temperature	Not relevant
Decomposition temperature	No data available
Viscosity	Not determined
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.2 g/cm ³
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SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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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

	Not applicable.
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SECTION 12: Ecological information

12.1. Toxicity

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

12.3. Bioaccumulative potential

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Partition coefficient

	Ethylenediaminetetraacetic Acid <0
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SECTION 13: Disposal considerations

General information

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

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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.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

Further information

No Significant Hazard.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:

14 - Further information.

Text of risk phrases in Section 3

R10 - Flammable

R20/21 - Harmful by inhalation and in contact with skin.

R22 - Harmful if swallowed.

R36/37/38 - Irritating to eyes, respiratory system and skin.

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.

R53 - May cause long-term adverse effects in the aquatic environment.

Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.

Skin Irrit. 2: H315 - Causes skin irritation.

Eye Irrit. 2: H319 - Causes serious eye irritation.

STOT SE 3: H335 - May cause respiratory irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Flam. Liq. 3: H226 - Flammable liquid and vapour.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Acute Tox. 4: H312 - Harmful in contact with skin.

Acute Tox. 4: H332 - Harmful if inhaled.

Further information

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Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

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140189 NatureCare EZC Print Replenisher Cartridge Part B T/M 110m2

Revision 2
Revision date 2017-06-09

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

1.1. Product identifier

Product name	140189 NatureCare EZC Print Replenisher Cartridge Part B T/M 110m2
CAS No.	21265-50-9
EC No.	244-302-2

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
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2.2. Label elements

Risk phrases	No Significant Hazard
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SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ammonium Fe EDTA 50%		21265-50-9	244-302-2		90 - 100%		

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Ammonium Fe EDTA 50%		21265-50-9	244-302-2		90 - 100%		

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.

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4.1. Description of first aid measures

DO NOT INDUCE VOMITING.

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

Ammonium Fe EDTA 50%	WEL 8-hr limit ppm: ammonia,	WEL 8-hr limit mg/m ³ :
	aqueous solution	
	50ppm 35mg/m ³	
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ :
	WEL 8-hr limit mg/m ³ total -	WEL 15 min limit mg/m ³ total -
	inhalable dust:	inhalable dust:
WEL 8-hr limit mg/m ³ total -	WEL 15 min limit mg/m ³ total -	
respirable dust:	respirable dust:	

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.

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8.2. Exposure controls

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

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Red/Brown
Odour	Odourless
Odour threshold	Not relevant
pH	7.05
Melting point	Not relevant
Initial boiling point	Not determined
Flash point	Not relevant
Evaporation rate	Not relevant
Flammability (solid, gas)	Not relevant
Upper Explosive Limit	Not relevant
Lower Explosive Limit	Not relevant
Vapour pressure	Not relevant
Vapour density	Not relevant
Partition coefficient (n-octanol/water)	Not relevant
Autoignition temperature	Not relevant
Decomposition temperature	No data available
Viscosity	Not determined
Solubility	Miscible in water

9.2. Other information

Specific gravity	1.285 g/cm ³
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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

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

140189 NatureCare EZC Print Replenisher Cartridge Part B T/M 110m2

Revision 2

Revision date 2017-06-09

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Revision

This document differs from the previous version in the following areas:

9 - 9.1. Information on basic physical and chemical properties (Odour).

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

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140189 NatureCare EZC Print Replenisher Cartridge Part C T/M 110m2

Revision 1
Revision date 2017-01-24

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

1.1. Product identifier

Product name	140189 NatureCare EZC Print Replenisher Cartridge Part C T/M 110m2
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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

2.1.2. Classification - EC 1272/2008	Eye Irrit. 2: H319;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

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	M-factor.
DI Water		7732-18-5			40 - 50%		
Ammonium Thiosulphate		7783-18-8	231-982-0		40 - 50%		
Ammonium Bisulphite		10192-30-0	233-469-7		10 - 20%		

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3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
DI Water		7732-18-5			40 - 50%		
Ammonium Thiosulphate		7783-18-8	231-982-0		40 - 50%		
Ammonium Bisulphite		10192-30-0	233-469-7		10 - 20%	Eye Irrit. 2: H319;	

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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides. Not applicable.
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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.
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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.
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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

8.2. Exposure controls

140189 NatureCare EZC Print Replenisher Cartridge Part C T/M 110m2

Revision 1

Revision date 2017-01-24

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 required under normal conditions of use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellow/Green
Odour	Strong
Odour threshold	Not relevant
pH	5.2
Melting point	Not relevant
Freezing Point	< 0 °C
Initial boiling point	Not determined
Flash point	Not relevant
Evaporation rate	Not relevant
Flammability (solid, gas)	Not relevant
Upper Explosive Limit	Not relevant
Lower Explosive Limit	Not relevant
Vapour pressure	Not relevant
Vapour density	Not relevant
Partition coefficient (n-octanol/water)	Not relevant
Autoignition temperature	Not relevant
Decomposition temperature	No data available
Viscosity	Not determined
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.318 g/cm ³
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SECTION 10: Stability and reactivity

10.1. Reactivity

	No dangerous reaction known.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No dangerous reaction known.
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10.4. Conditions to avoid

	See "Fire Fighting Measures". Avoid contact with strong acids and oxidising agents.
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10.5. Incompatible materials

140189 NatureCare EZC Print Replenisher Cartridge Part C T/M 110m2

Revision 1

Revision date 2017-01-24

10.5. Incompatible materials

No relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Skin corrosion/irritation**

May cause irritation to skin.

Serious eye damage/irritation

May cause irritation to eyes.

11.1.4. Toxicological Information

No data available

No data available.

SECTION 12: Ecological information**12.1. Toxicity**

No data available

12.2. Persistence and degradability

No data available on this product.

12.3. Bioaccumulative potential

No data available on this product.

12.4. Mobility in soil

No data available on this product.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No other relevant information available.

Further information

A moderate biochemical oxygen demand will result in short term oxygen depletion in the aquatic environment.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

Disposal of packaging

Do not empty into drains; dispose of this material and its container in a safe way.

SECTION 14: Transport information**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****Revision**

This document differs from the previous version in the following areas:.

2 - 2.1. Classification of the substance or mixture.

9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).

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Revision 1

Revision date 2017-01-24

Other information

	<p>9 - 9.1. Information on basic physical and chemical properties (Melting point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Upper Explosive Limit).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Lower Explosive Limit).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Partition coefficient (n-octanol/water)).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</p> <p>15 - Risk phrases.</p>
Text of Hazard Statements in Section 3	Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.</p>
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SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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

1.1. Product identifier

Product name	140189 NatureCare EZC Print Replenisher Cartridge Part D T/M 110m2
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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

2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319;
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2.2. Label elements

Hazard pictograms



Signal Word

Warning

Hazard Statement

Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary Statement: Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response

P302+P352 - IF ON SKIN: Wash with plenty of water/ .
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.

Precautionary Statement: Disposal

P501 - Dispose of contents/container to hazardous or special waste collection point.

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	M-factor.
DI Water		7732-18-5			90 - 100%		
Kathon LX 14% (Kathon WT)		55965-84-9			1 - 3%	R53	
PVP K-15, 30% solution		9003-39-8			1 - 3%		
Texapon N70					0.5 - 1%		
sodium acetate anhydrous		127-09-3			0 - 0.5%		
Copper Nitrate		10031-43-3	221-838-5		0 - 0.5%		

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
DI Water		7732-18-5			90 - 100%		
Kathon LX 14% (Kathon WT)		55965-84-9			1 - 3%	Acute Tox. 3: H301+H311+H331; Acute Tox. 4: H302; Skin Corr. 1A: H314; Skin Sens. 1: H317; Aquatic Acute 1: H400;	
PVP K-15, 30% solution		9003-39-8			1 - 3%		
Texapon N70					0.5 - 1%		
sodium acetate anhydrous		127-09-3			0 - 0.5%		
Copper Nitrate		10031-43-3	221-838-5		0 - 0.5%		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	No Significant Hazard.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	Rinse mouth thoroughly. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.3. Advice for firefighters

	Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable gloves. safety glasses with side-shields. Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	Prevent further spillage if safe. Do not empty into drains; dispose of this material and its container in a safe way.
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6.3. Methods and material for containment and cleaning up

	Clean spillage area thoroughly with plenty of water. Contact a licensed waste disposal company.
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SECTION 7: Handling and storage

140189 NatureCare EZC Print Replenisher Cartridge Part D T/M 110m2

Revision 1
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7.1. Precautions for safe handling

Avoid contact with eyes and skin. Wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear suitable gloves. safety glasses with side-shields. Provide eye wash station.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Green/Blue
Odour threshold	Not relevant
pH	4.3
Melting point	Not relevant
Freezing Point	< 0 °C
Initial boiling point	Not determined
Flash point	Not relevant
Evaporation rate	Not relevant
Flammability (solid, gas)	Not relevant
Upper Explosive Limit	Not relevant
Lower Explosive Limit	Not relevant
Vapour pressure	Not relevant
Vapour density	Not relevant
Partition coefficient (n-octanol/water)	Not relevant
Autolignition temperature	Not relevant
Decomposition temperature	No data available
Viscosity	Not determined
Solubility	Soluble in water

9.2. Other information

Specific gravity 1.007 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.4. Conditions to avoid

Avoid contact with: Strong acids, Strong oxidising agents.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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11.1. Information on toxicological effects

Acute toxicity	Irritant.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Irritant.

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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Further information

	Avoid release to the environment.
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SECTION 13: Disposal considerations

Disposal methods

	Do not allow runoff water to enter sewers or drains. Contact a licensed waste disposal company.
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Disposal of packaging

	Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

14.1. UN number

	The product is not classified as dangerous for carriage.
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14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
--	--

14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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14.4. Packing group

	The product is not classified as dangerous for carriage.
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14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Further information

	Information contained in the MSDS is to our best present knowledge correct and complete and is given in good faith but without warranty.
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SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:</p> <ul style="list-style-type: none"> 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point). 9 - 9.1. Information on basic physical and chemical properties (Melting point). 9 - 9.1. Information on basic physical and chemical properties (Flash point). 9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)). 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature). 9 - 9.1. Information on basic physical and chemical properties (Vapour pressure). 9 - 9.1. Information on basic physical and chemical properties (Viscosity).
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Other information

	<p>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Upper Explosive Limit).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Lower Explosive Limit).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Partition coefficient (n-octanol/water)).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</p>
Text of risk phrases in Section 3	R53 - May cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	<p>Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>
Further information	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.</p>