

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### 140179 NatureCare FRC Print Developer Start-Up Kit (P1) Part A T/M 5x4.2L

Revision 3  
Revision date 2017-02-20

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

##### 1.1. Product identifier

<b>Product name</b>	140179 NatureCare FRC Print Developer Start-Up Kit (P1) Part A T/M 5x4.2L
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##### 1.3. Details of the supplier of the safety data sheet


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

#### SECTION 2: Hazards identification

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

<b>2.1.1. Classification - 1999/45/EC</b>	C; R35 Xi; R43 N; R51/53 Symbols: Xn: Harmful. N: Dangerous for the environment.
<b>Main hazards</b>	Causes severe burns. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>2.1.2. Classification - EC 1272/2008</b>	Skin Corr. 1A: H314; Skin Sens. 1: H317; Aquatic Chronic 2: H411;

##### 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	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.
<b>Precautionary Statement: Prevention</b>	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. 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. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	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 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

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## 2.2. Label elements

<b>Precautionary Statement:</b> <b>Storage</b> <b>Precautionary Statement:</b> <b>Disposal</b>	lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). 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.
DI Water		7732-18-5			60 - 70%		
Potassium Hydroxide	019-002-00-8	1310-58-3	215-181-3		1 - 5%	Xn; R22 C; R35	
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt 4-	612-134-00-2	133986-51-3	247-161-5		10 - 20%		
(N-Ethyl-N-2-methanesulphonylami noethyl)-2-methylphenylenediamine sesquisulphate monohydrate		25646-71-3	247-161-5		1 - 10%	Xn; R22 R43 N; R50/53	
Polyethylene Glycol 400		25322-68-3	500-038-2		1 - 5%		
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 3%	Xi; R36	
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.
DI Water		7732-18-5			60 - 70%		
Potassium Hydroxide	019-002-00-8	1310-58-3	215-181-3		1 - 5%	Acute Tox. 4: H302; Skin Corr. 1A: H314;	
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt 4-	612-134-00-2	133986-51-3	247-161-5		10 - 20%		
(N-Ethyl-N-2-methanesulphonylami noethyl)-2-methylphenylenediamine sesquisulphate monohydrate		25646-71-3	247-161-5		1 - 10%	Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
Polyethylene Glycol 400		25322-68-3	500-038-2		1 - 5%		
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 3%	Eye Irrit. 2: H319;	
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

<b>Inhalation</b>	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention. Irritating to eyes.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical

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## 4.1. Description of first aid measures

Ingestion	attention if irritation or symptoms persist.
	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.
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## 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 8-hr limit mg/m3: 10mg/m3
	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:
	Potassium Hydroxide	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:

## 8.2. Exposure controls

	 
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## 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
Odour	Odourless
Odour threshold	Not relevant
pH	13
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
Autoflammability temperature	Not relevant
Decomposition temperature	No data available
Viscosity	Not determined
Solubility	Soluble in water

## 9.2. Other information

Specific gravity	1.17 g/cm <sup>3</sup>
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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

	No data available
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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.

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## 12.3. Bioaccumulative potential

## Partition coefficient

Ethylenediaminetetraacetic Acid &lt;0

## SECTION 13: Disposal considerations

## General information

Dispose of in compliance with all local and national regulations.

## 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

## Hazard pictograms



## 14.1. UN number

UN1760

## 14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S.

## 14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group III

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code F-A S-B

## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

## SECTION 15: Regulatory information

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## Further information

This product has been classified according to the hazard criteria of the CPR and MSDS contains all the information required by the CPR.

## SECTION 16: Other information

## Other information

## Revision

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

- 2 - Hazard pictograms.
- 9 - 9.1. Information on basic physical and chemical properties (Odour).
- 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).
- 9 - 9.1. Information on basic physical and chemical properties (Vapour density).
- 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).
- 9 - 9.1. Information on basic physical and chemical properties (Upper Explosive Limit).
- 9 - 9.1. Information on basic physical and chemical properties (Lower Explosive Limit).
- 9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature).
- 9 - 9.1. Information on basic physical and chemical properties (Partition coefficient (n-octanol/water)).
- 9 - 9.1. Information on basic physical and chemical properties (Odour threshold).
- 12 - 12.1. Toxicity.

## Text of risk phrases in Section 3

R10 - Flammable  
 R20/21 - Harmful by inhalation and in contact with skin.  
 R22 - Harmful if swallowed.  
 R35 - Causes severe burns.  
 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 Corr. 1A: H314 - Causes severe skin burns and eye damage.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 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

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.