

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### 140188 Naturecare SP-48 Developer Replenisher 4x10L

Revision 1  
Revision date 2017-05-12

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

##### 1.1. Product identifier

<b>Product name</b>	140188 Naturecare SP-48 Developer Replenisher 4x10L
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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>	Xi; R43 N; R51/53 Symbols: Xi: Irritant. N: Dangerous for the environment.
<b>Main hazards</b>	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			70 - 80%		
Potassium Carbonate		584-08-7	209-529-3		1 - 5%	Xi; R36/37/38	
4-(N-Ethyl-N-2-methanesulphonylami noethyl)-2-methylphenylenediamine sesquisulphate monohydrate	612-134-00-2	25646-71-3	247-161-5		1 - 10%	Xn; R22 R43 N; R50/53	
Diethylene glycol	603-140-00-6	111-46-6	203-872-2		1 - 5%	Xn; R22	
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 3%	Xi; R36	
Diethylhydroxylamine 85% w/w		3710-84-7	223-055-4		1 - 3%	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			70 - 80%		
Potassium Carbonate		584-08-7	209-529-3		1 - 5%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	
4-(N-Ethyl-N-2-methanesulphonylami noethyl)-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;	
Diethylene glycol	603-140-00-6	111-46-6	203-872-2		1 - 5%	Acute Tox. 4: H302;	
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 3%	Eye Irrit. 2: H319;	
Diethylhydroxylamine 85% w/w		3710-84-7	223-055-4		1 - 3%	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 attention if irritation or symptoms persist.
<b>Ingestion</b>	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

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## 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 dry, well ventilated area. Keep containers tightly closed.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Diethylene glycol	WEL 8-hr limit ppm:	23	WEL 8-hr limit mg/m <sup>3</sup> :	101
	WEL 15 min limit ppm:	-	WEL 15 min limit mg/m <sup>3</sup> :	-
	WEL 8-hr limit mg/m <sup>3</sup> total	-	WEL 15 min limit mg/m <sup>3</sup> total	-
	inhalable dust:		inhalable dust:	
	WEL 8-hr limit mg/m <sup>3</sup> total	-	WEL 15 min limit mg/m <sup>3</sup> 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.

## Eye / face protection

Approved safety goggles.

## Skin protection -

Chemical resistant gloves (PVC).

## Handprotection

## Respiratory protection

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellow/Orange
<b>Odour</b>	Slight
<b>Odour threshold</b>	Not relevant
<b>pH</b>	13
<b>Melting point</b>	Not relevant
<b>Freezing Point</b>	0 °C
<b>Initial boiling point</b>	Not determined
<b>Flash point</b>	Not relevant
<b>Evaporation rate</b>	Not relevant
<b>Flammability (solid, gas)</b>	Not relevant
<b>Upper Explosive Limit</b>	Not relevant
<b>Lower Explosive Limit</b>	Not relevant
<b>Vapour pressure</b>	Not relevant
<b>Vapour density</b>	Not relevant
<b>Partition coefficient (n-octanol/water)</b>	Not relevant
<b>Autoignition temperature</b>	Not relevant
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	Not determined
<b>Solubility</b>	Miscible in water

## 9.2. Other information

<b>Specific gravity</b>	1.124 - 1.144 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

<b>Skin corrosion/irritation</b>	May cause irritation to skin. Prolonged or repeated exposure may cause irritation to skin and mucous membranes.
<b>Repeated or prolonged exposure</b>	May cause allergic reactions in susceptible people. May cause severe irritation to eyes and skin.

## SECTION 12: Ecological information

## 12.1. Toxicity

	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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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

	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

## 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.

## 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.

## SECTION 15: Regulatory information

## Further information

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 (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 (Solubility).
- 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).
- 9 - 9.2. Other information (Gas group).
- 12 - 12.1. Toxicity.
- 15 - 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

- Skin Irrit. 2: H315 - Causes skin irritation.
- Eye Irrit. 2: H319 - Causes serious eye irritation.
- STOT SE 3: H335 - May cause respiratory irritation.
- Acute Tox. 4: H302 - Harmful if swallowed.
- Skin Sens. 1: H317 - May cause an allergic skin reaction.
- Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

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**Other information**

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.