SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

140117 CP-1 RA-RT Developer Replenisher (6 x 10L)

Revision 0

Revision date 2022-12-13

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

1.1. Product identifier

Product name	140117 CP-1 RA-RT Developer Replenisher (6 x 10L)

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 Xn; R22-40 Xi; R43 N; R51/53 Symbols: Xn: Harmful.
Main hazards	Harmful if swallowed. Causes severe burns. Limited evidence of a carcinogenic effect. 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 no 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/ .

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2.2. Label elements

	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 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.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	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			20 - 30%		
Monoethylene glycol	603-027-00-1	107-21-1	203-473-3		20 - 30%	Xn; R22	
Polyethylene Glycol 400		25322-68-3	500-038-2		10 - 20%		
Potassium Carbonate		584-08-7	209-529-3		5 - 10%	Xi; R36/37/38	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		5 - 10%	C; R35	
Pentasodium DTPA Solution 42%		140-01-2	205-391-3		3 - 5%	C; R35 Xn; R22-40	
Diethylhydroxylamine 85% w/w		3710-84-7	223-055-4		1 - 3%	Xn; R20/21 Xi; R36/37/38 R10-53	
4-(N-Ethyl-N-2-methanesulphonylaminoethyl)-2-methylphenylenediamine sesquisulphate monohydrate	612-134-00-2	25646-71-3	247-161-5		1 - 3%	Xn; R22 R43 N; R50/53	

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			20 - 30%		
Monoethylene glycol	603-027-00-1	107-21-1	203-473-3		20 - 30%	Acute Tox. 4: H302;	
Polyethylene Glycol 400		25322-68-3	500-038-2		10 - 20%		
Potassium Carbonate		584-08-7	209-529-3		5 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	
Sodium hydroxide	011-002-00-6	1310-73-2	215-185-5		5 - 10%	Skin Corr. 1A: H314;	
Pentasodium DTPA Solution 42%		140-01-2	205-391-3		3 - 5%	Met. Corr. 1: H290; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332; Repr. 2: H361d; STOT RE 2: H373;	
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;	
4-(N-Ethyl-N-2-methanesulphonylaminoethyl)-2-methylphenylenediamine sesquisulphate monohydrate	612-134-00-2	25646-71-3	247-161-5		1 - 3%	Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

SECTION 4: First aid measures

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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.

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

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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 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 Carbonate	**WEL 8-hr limit ppm:** 370 mg/m3	**WEL 8-hr limit mg/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:**
Sodium hydroxide	**WEL 8-hr limit ppm:** -	**WEL 8-hr limit mg/m3:** -
	WEL 15 min limit ppm: -	**WEL 15 min limit mg/m3:** 2
	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:** -

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

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Orange
Odour	Slight
Initial boiling point	100 °C
Vapour pressure	2300 Pa
pH	11.55
Melting point	Not relevant
Odour threshold	Not relevant
Vapour density	Not relevant
Partition coefficient (n-octanol/water)	Not relevant
Autoignition temperature	Not relevant
Flash point	Not relevant
Evaporation rate	Not relevant
Flammability (solid, gas)	Not relevant
Upper Explosive Limit	Not relevant
Lower Explosive Limit	Not relevant
Viscosity	Not determined
Decomposition temperature	No data available
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.2 g/cm³

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known.

10.4. Conditions to avoid

See "Fire Fighting Measures".

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. 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

No data available

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12.1. Toxicity

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

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Pentasodium DTPA Solution	<0
42%	

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No other relevant information available.

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

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.

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.

SECTION 16: Other information

Other information

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Other information

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. R40 - Limited evidence of a carcinogenic effect. 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 Corr. 1A: H314 - Causes severe skin burns and eye damage. Met. Corr. 1: H290 - May be corrosive to metals. Acute Tox. 4: H332 - Harmful if inhaled. Repr. 2: H361d - Suspected of damaging the unborn child. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure . 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. Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

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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