

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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140116 Mydoneg SP-100 Developer Replenisher T/M 4x5L

Revision 1
Revision date 2022-11-17

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

1.1. Product identifier

Product name	140116 Mydoneg SP-100 Developer Replenisher T/M 4x5L
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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

2.1.1. Classification - 1999/45/EC	Xn; R40 Xi; R36/38-43 R52/53 Symbols: Xn: Harmful.
Main hazards	Irritating to eyes and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;

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. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
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. P273 - Avoid release to the environment. 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.

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2.2. Label elements

Precautionary Statement: Disposal	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage.
	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			80 - 90%		
Potassium Carbonate		584-08-7	209-529-3		5 - 10%	Xi; R36/37/38	
Sodium Sulfit Anhydrous		7757-83-7			1 - 3%		
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 3%	Xi; R36	
Pentasodium DTPA Solution 42%		140-01-2	205-391-3		1 - 3%	C; R35 Xn; R22-40	
4-(N-Ethyl-N-2-hydroxyethyl)-2-methylphenylenediamine sulphate	612-133-00-7	25646-77-9	247-162-0		1 - 3%	T; R25 Xn; R48/22 R43 N; R50/53	
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt		133986-51-3			1 - 3%	Xi; R36	
Hydroxylamine Sulfate		10039-54-0	233-118-8		0.5 - 1%	E; R2 Xn; R22-40-48/22 Xi; R36/38-43 N; R50	

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			80 - 90%		
Potassium Carbonate		584-08-7	209-529-3		5 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	
Sodium Sulfit Anhydrous		7757-83-7			1 - 3%	STOT SE 3: H335;	
Sodium carbonate	011-005-00-2	497-19-8	207-838-8		1 - 3%	Eye Irrit. 2: H319;	
Pentasodium DTPA Solution 42%		140-01-2	205-391-3		1 - 3%	Met. Corr. 1: H290; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332; Repr. 2: H361d; STOT RE 2: H373;	
4-(N-Ethyl-N-2-hydroxyethyl)-2-methylphenylenediamine sulphate	612-133-00-7	25646-77-9	247-162-0		1 - 3%	Acute Tox. 3: H301; STOT RE 2: H373; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt		133986-51-3			1 - 3%	Eye Irrit. 2: H319; Aquatic Chronic 3: H412;	
Hydroxylamine Sulfate		10039-54-0	233-118-8		0.5 - 1%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; Carc. 2: H351; STOT RE 2: H373; Aquatic Acute 1: H400;	

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.

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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**

Potassium Carbonate	WEL 8-hr limit ppm: 370 mg/m ³	WEL 8-hr limit mg/m ³ :
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ :
	WEL 8-hr limit mg/m ³ total inhalable dust:	WEL 15 min limit mg/m ³ total inhalable dust:
	WEL 8-hr limit mg/m ³ total respirable dust:	WEL 15 min limit mg/m ³ total respirable dust:
Sodium carbonate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m ³ : 10
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ :
	WEL 8-hr limit mg/m ³ total inhalable dust:	WEL 15 min limit mg/m ³ total inhalable dust:
	WEL 8-hr limit mg/m ³ total respirable dust:	WEL 15 min limit mg/m ³ 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.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Light brown
pH	10.4
Melting point	Not relevant
Initial boiling point	100 °C
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	23000 Pa
Vapour density	Not relevant
Relative density	1.079
Partition coefficient (n-octanol/water)	Not relevant
Viscosity	Not determined
Solubility	Soluble in water

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

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11.1.4. Toxicological Information

4-(N-Ethyl-N-2-hydroxyethyl)-2-methylphenylenediamine sulphate	Oral Mouse LD50: Male: 25-50mg/kg / Female: 30mg/kg	
Ethanesulphonic acid, 2,2'-(Hydroxyimino)Bis, Disodium Salt	Oral Rat LD50: 2700 mg/kg	Inhalation Rat LC50/4 h: 5.6 mg/L
Pentasodium DTPA Solution 42%	Dermal Rat LD50: > 5000mg/kg Inhalation Rat LC50/4 h: 5 mg/L	Oral Rat LD50: 5000 mg/kg
Potassium Carbonate	Oral Rat LD50: 1870 mg/kg	Dermal Rabbit LD50: > 2000 mg/kg
Sodium carbonate	Oral Rat LD50: 2800 mg/kg	Dermal Rabbit LD50: > 2000 mg/kg

SECTION 12: Ecological information

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

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

Revision

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

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Other information

	<p>2 - Hazard pictograms.</p> <p>9 - 9.1. Information on basic physical and chemical properties (Initial boiling 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 (Vapour pressure).</p> <p>12 - 12.1. Toxicity.</p>
<p>Text of risk phrases in Section 3</p>	<p>R2 - Risk of explosion by shock, friction, fire or other sources of ignition.</p> <p>R22 - Harmful if swallowed.</p> <p>R25 - Toxic if swallowed.</p> <p>R35 - Causes severe burns.</p> <p>R36/37/38 - Irritating to eyes, respiratory system and skin.</p> <p>R36/38 - Irritating to eyes and skin.</p> <p>R36 - Irritating to eyes.</p> <p>R40 - Limited evidence of a carcinogenic effect.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.</p> <p>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R50 - Very toxic to aquatic organisms.</p>
<p>Text of Hazard Statements in Section 3</p>	<p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Met. Corr. 1: H290 - May be corrosive to metals.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</p> <p>Repr. 2: H361d - Suspected of damaging the unborn child.</p> <p>STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .</p> <p>Acute Tox. 3: H301 - Toxic if swallowed.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Carc. 2: H351 - Suspected of causing cancer .</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>
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