

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### 140501 Primaprint SP-108 Bleach-Fix Replenisher T/M 4x20L

Revision 2  
Revision date 2017-02-03

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

##### 1.1. Product identifier

<b>Product name</b>	140501 Primaprint SP-108 Bleach-Fix Replenisher T/M 4x20L
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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>Main hazards</b>	No Significant Hazard
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##### 2.2. Label elements

<b>Risk phrases</b>	No Significant Hazard
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#### 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		20 - 30%		
Ammonium Fe EDTA 50%		21265-50-9	244-302-2		20 - 30%		
Ammonium Bisulphite		10192-30-0	233-469-7		1 - 5%		
Ammonium Acetate		631-61-8	211-162-9		1 - 5%	Xi; R36	
Ethylenediaminetetraacetic Acid		60-00-4	200-449-4		0 - 0.5%	Xi; R36	

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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		20 - 30%		
Ammonium Fe EDTA 50%		21265-50-9	244-302-2		20 - 30%		
Ammonium Bisulphite		10192-30-0	233-469-7		1 - 5%	Eye Irrit. 2: H319;	
Ammonium Acetate		631-61-8	211-162-9		1 - 5%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	
Ethylenediaminetetraacetic Acid		60-00-4	200-449-4		0 - 0.5%	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 <sub>x</sub> , NO <sub>x</sub> 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

## 8.1. Control parameters

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## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

Ammonium Fe EDTA 50%	<b>WEL 8-hr limit ppm:</b> ammonia, aqueous solution 50ppm 35mg/m3	<b>WEL 8-hr limit mg/m3:</b>
	<b>WEL 15 min limit ppm:</b>	<b>WEL 15 min limit mg/m3:</b>
	<b>WEL 8-hr limit mg/m3 total - inhalable dust:</b>	<b>WEL 15 min limit mg/m3 total - inhalable dust:</b>
	<b>WEL 8-hr limit mg/m3 total - respirable dust:</b>	<b>WEL 15 min limit mg/m3 total - respirable dust:</b>

## 8.2. Exposure controls

	
<b>8.2.1. Appropriate engineering controls</b>	Ensure adequate ventilation of the working area.
<b>8.2.2. Individual protection measures</b>	Wear chemical protective clothing.
<b>Eye / face protection</b>	Approved safety goggles.
<b>Skin protection - Handprotection</b>	Chemical resistant gloves (PVC).
<b>Respiratory protection</b>	Not required under normal conditions of use.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Brown
<b>Odour</b>	Slight
<b>Odour threshold</b>	Not relevant
<b>pH</b>	5.8
<b>Melting point</b>	Not relevant
<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>	Soluble in water

## 9.2. Other information

<b>Specific gravity</b>	1.238 g/cm <sup>3</sup>
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## SECTION 10: Stability and reactivity

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## 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

	No relevant information available.
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## 10.6. Hazardous decomposition products

	No dangerous decomposition products known.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

## Skin corrosion/irritation

	May cause irritation to skin.
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## Serious eye damage/irritation

	May cause irritation to eyes.
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## 11.1.4. Toxicological Information

	No data available
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	No data available.
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## SECTION 12: Ecological information

## 12.1. Toxicity

	No data available
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## 12.2. Persistence and degradability

	No data available on this product.
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## 12.3. Bioaccumulative potential

	No data available on this product.
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## Partition coefficient

	Ethylenediaminetetraacetic Acid <0
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## 12.4. Mobility in soil

	No data available on this product.
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## 12.5. Results of PBT and vPvB assessment

	Not applicable.
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## 12.6. Other adverse effects

	No other relevant information available.
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## Further information

	A moderate biochemical oxygen demand will result in short term oxygen depletion 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 of packaging

	. Do not empty into drains; dispose of this material and its container in a safe way.
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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	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
	Not regulated.
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"> <li>9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Melting point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Flash point).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Upper Explosive Limit).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Lower Explosive Limit).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Partition coefficient (n-octanol/water)).</li> <li>9 - 9.1. Information on basic physical and chemical properties (Odour threshold).</li> </ul>
Text of risk phrases in Section 3	R36 - Irritating to eyes.
Text of Hazard Statements in Section 3	<p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p>
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.