

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

### 120102 Devalex XD2 X-Ray Developer Replenisher Part C T/M 2x20L

Revision 1  
Revision date 2017-06-13

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

##### 1.1. Product identifier

<b>Product name</b>	120102 Devalex XD2 X-Ray Developer Replenisher Part C T/M 2x20L
---------------------	---

##### 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>	Xn; R22 Symbols: Xi: Irritant.
<b>Main hazards</b>	Harmful if swallowed.
<b>2.1.2. Classification - EC 1272/2008</b>	Acute Tox. 4: H302; Skin Corr. 1A: H314;

##### 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
<b>Precautionary Statement: Prevention</b>	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. 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.

## 120102 Devalex XD2 X-Ray Developer Replenisher Part C T/M 2x20L

Revision 1  
Revision date 2017-06-13

## 2.2. Label elements

Precautionary Statement: Storage Precautionary Statement: Disposal	P363 - Wash contaminated clothing before reuse.
	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.
Diethylene glycol	603-140-00-6	111-46-6	203-872-2		80 - 90%	Xn; R22	
Acetic Acid Glacial	607-002-00-6	64-19-7	200-580-7		10 - 20%	R10 C; R35	
5-Nitrobenzimidazole		94-52-0	202-341-2		0 - 0.5%	Xn; R20/21/22-40-68	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Diethylene glycol	603-140-00-6	111-46-6	203-872-2			Acute Tox. 4: H302;	
Acetic Acid Glacial	607-002-00-6	64-19-7	200-580-7			Flam. Liq. 3: H226; Skin Corr. 1A: H314;	
5-Nitrobenzimidazole		94-52-0	202-341-2			Muta. 2: H341;	

## 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.

## 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
--	--

## 120102 Devalex XD2 X-Ray Developer Replenisher Part C T/M 2x20L

Revision 1

Revision date 2017-06-13

## 6.3. Methods and material for containment and cleaning up

	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

Acetic Acid Glacial	DIR: 91/322	8hTWA ppm: 10
	8hTWA mg/m <sup>3</sup> : 25	STEL ppm: -
	STEL mg/m <sup>3</sup> : -	NOT: -
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

## 120102 Devalex XD2 X-Ray Developer Replenisher Part C T/M 2x20L

Revision 1

Revision date 2017-06-13

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Aqueous solution
<b>Colour</b>	Orange
<b>Odour</b>	Pungent
<b>Odour threshold</b>	Not relevant
<b>pH</b>	Not determined
<b>Melting point</b>	Not relevant
<b>Initial boiling point</b>	No data available
<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>Autolgnition 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>	1.115
-------------------------	-------

## 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

<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.

## 11.1.4. Toxicological Information

	No data available
--	-------------------

## SECTION 12: Ecological information

## 12.1. Toxicity

	No data available
--	-------------------

## 120102 Devalex XD2 X-Ray Developer Replenisher Part C T/M 2x20L

Revision 1  
Revision date 2017-06-13

**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.

**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****Revision**

This document differs from the previous version in the following areas:  
 9 - 9.1. Information on basic physical and chemical properties (Flash point).  
 9 - 9.1. Information on basic physical and chemical properties (Relative density).  
 9 - 9.1. Information on basic physical and chemical properties (Decomposition temperature).  
 9 - 9.1. Information on basic physical and chemical properties (Solubility).

## 120102 Devalex XD2 X-Ray Developer Replenisher Part C T/M 2x20L

Revision 1

Revision date 2017-06-13

## Other information

<b>Text of risk phrases in Section 3</b>	<p>9 - 9.2. Other information (Specific gravity).</p> <p>R10 - Flammable</p> <p>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.</p> <p>R22 - Harmful if swallowed.</p> <p>R35 - Causes severe burns.</p> <p>R40 - Limited evidence of a carcinogenic effect.</p> <p>R68 - Possible risk of irreversible effects.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p> <p>Muta. 2: H341 - Suspected of causing genetic defects .</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>
--	---