

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 2
Revision date 2022-08-17

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

1.1. Product identifier

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

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; R22 Symbols: Xi: Irritant.
Main hazards	Harmful if swallowed.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Skin Corr. 1C: H314;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	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.
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. 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 2

Revision date 2022-08-17

2.2. Label elements

Precautionary Statement: Storage	P363 - Wash contaminated clothing before reuse.
	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.
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%	C; R35 R10	
5-Nitroindazole		5401-94-5	226-451-5		0.5 - 1%	Xn; R20/21/22-68 Xi; R36	
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		80 - 90%	Acute Tox. 4: H302;	
Acetic Acid Glacial	607-002-00-6	64-19-7	200-580-7		10 - 20%	Flam. Liq. 3: H226; Skin Corr. 1C: H314;	
5-Nitroindazole		5401-94-5	226-451-5		0.5 - 1%	Acute Tox. 4: H302+H312+H332; Muta. 2: H341;	
5-Nitrobenzimidazole		94-52-0	202-341-2		0 - 0.5%	Muta. 2: H341;	

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.
--	--------------------------------

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes. Ammonia, SO _x , NO _x may be formed in fire conditions.
--	--

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
--	---

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.
--	--

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

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

Revision 2

Revision date 2022-08-17

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.

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.

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.

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 ³ : 25	STEL ppm: -
	STEL mg/m ³ : -	NOT: -
Diethylene glycol	WEL 8-hr limit ppm: 23	WEL 8-hr limit mg/m ³ : 101
	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 -

Chemical resistant gloves (PVC).

Handprotection

Respiratory protection

Not required under normal conditions of use.

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 2

Revision date 2022-08-17

9.1. Information on basic physical and chemical properties

Appearance	Aqueous solution
Colour	Orange
Odour	Pungent
Odour threshold	Not relevant
pH	Not determined
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	2300 Pa
Vapour density	Not relevant
Partition coefficient (n-octanol/water)	Not relevant
Autolgnition temperature	Not relevant
Decomposition temperature	No data available
Viscosity	Not determined
Solubility	Miscible in water

9.2. Other information

Specific gravity	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". Avoid contact with strong acids and oxidising agents.
--	---

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.
Serious eye damage/Irritation	May cause irritation to eyes.

11.1.4. Toxicological Information

	No data available
	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 2
Revision date 2022-08-17

12.2. Persistence and degradability

No data available on this product.

12.3. Bioaccumulative potential

No data available on this product.

12.4. Mobility in soil

No data available on this product.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

No other relevant information available.

Further information

A moderate biochemical oxygen demand will result in short term oxygen depletion in the aquatic environment.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

Disposal of packaging

Do not empty into drains; dispose of this material and its container in a safe way.

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**

This document differs from the previous version in the following areas:
2 - 2.1.2. Classification - EC 1272/2008.
2 - Hazard pictograms.
9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).

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

Revision 2

Revision date 2022-08-17

Other information

Text of risk phrases in Section 3	9 - 9.1. Information on basic physical and chemical properties (Vapour pressure). 12 - 12.1. Toxicity.
	R10 - Flammable R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. R22 - Harmful if swallowed. R35 - Causes severe burns. R36 - Irritating to eyes. R40 - Limited evidence of a carcinogenic effect. R68 - Possible risk of irreversible effects.
Text of Hazard Statements in Section 3	Acute Tox. 4: H302 - Harmful if swallowed. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Corr. 1C: H314 - Causes severe skin burns and eye damage. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Muta. 2: H341 - Suspected of causing genetic defects .

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.
--	--