

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### 140187 Frontier Granule T/M 200 x 5L

Revision 0  
Revision date 2022-08-26

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

##### 1.1. Product identifier

**Product name** 140187 Frontier Granule T/M 200 x 5L

##### 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 Xi; R36/37 N; R51/53 R31 Symbols: Xn: Harmful. N: Dangerous for the environment.
<b>Main hazards</b>	Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>2.1.2. Classification - EC 1272/2008</b>	Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 2: H411;

##### 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	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. P312 - Call a POISON CENTER/doctor/ if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage.

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## 2.2. Label elements

<b>Precautionary Statement:</b>	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
<b>Storage</b>	P405 - Store locked up.
<b>Precautionary Statement:</b>	P501 - Dispose of contents/container to hazardous or special waste collection point.
<b>Disposal</b>	

## 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.
Sodium Sulphate		7757-82-6	231-820-9		85 - 90%		
Troclosene sodium	613-030-00-X	2893-78-9	220-767-7		10 - 15%	E; R2 O; R8 Xn; R22 Xi; R36/37 R31 N; R50/53	

## EC 1272/2008

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Sodium Sulphate		7757-82-6	231-820-9		85 - 90%		
Troclosene sodium	613-030-00-X	2893-78-9	220-767-7		10 - 15%	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

<b>Inhalation</b>	No Significant Hazard.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Rinse mouth thoroughly. Seek medical attention.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus.
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## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable gloves. safety glasses with side-shields. Ensure adequate ventilation of the working area.
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## 6.2. Environmental precautions

	Prevent further spillage if safe. Do not empty into drains; dispose of this material and its container in a safe way.
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## 6.3. Methods and material for containment and cleaning up

	Clean spillage area thoroughly with plenty of water. Contact a licensed waste disposal company.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Wash hands after handling the product.
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## 7.2. Conditions for safe storage, including any incompatibilities

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## 7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep away from incompatible materials.

## SECTION 8: Exposure controls/personal protection

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable gloves. safety glasses with side-shields. Provide eye wash station.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Granules.
Colour	White
Odour	Chlorine
Odour threshold	Not applicable.
pH	5 - 6
Initial boiling point	Not applicable.
Flash point	Not relevant
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper Explosive Limit	Not applicable.
Lower Explosive Limit	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Partition coefficient (n-octanol/water)	0
Autoignition temperature	Not applicable.
Decomposition temperature	Not determined
Viscosity	Not applicable.
Solubility	Soluble in water

## 9.2. Other information

Specific gravity	Not applicable.
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## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	Stable under normal conditions.
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## 10.4. Conditions to avoid

	Avoid contact with: Strong acids, Strong oxidising agents.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity	Irritant.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Irritant.

## 11.1.4. Toxicological Information

140187 Frontier Granule T/M 200 x 5L	Inhalation Rat LC50/4 h: 0.27 - 1.17 mg	Oral Rat LD50: 2813 mg
	Dermal Rabbit LD50: > 5000 mg	

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**SECTION 12: Ecological information**

## 12.1. Toxicity

140187 Frontier Granule T/M 200 x 5L	Rainbow trout LC50/96h: 0.13 -0.36 mg/L	Bluegill sunfish LC50/96h: 0.25 - 1.0 mg/L
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## Further information

Avoid release to the environment.

**SECTION 13: Disposal considerations**

## Disposal methods

Do not allow runoff water to enter sewers or drains. Contact a licensed waste disposal company.

## Disposal of packaging

Empty containers can be sent for disposal or recycling.

**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

<b>Text of risk phrases in Section 3</b>	R2 - Risk of explosion by shock, friction, fire or other sources of ignition. R8 - Contact with combustible material may cause fire. R22 - Harmful if swallowed. R31 - Contact with acids liberates toxic gas. R36/37 - Irritating to eyes and respiratory system. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	EUH031 - Contact with acids liberates toxic gas. Ox. Sol. 2: H272 - May intensify fire; oxidiser. Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

## Further information

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**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.