

# TRICAINE-S

**TRICAINE-S** is exclusively distributed by Syndel Asia Sdn. Bhd.. for aquaculture in the South East Asian Region

**TRICAINE-S** is used for anesthesia or sedation of fish for tagging, weight sampling, spawning, transportation, experimentation, photography in aquaria and surgery. Consult your veterinarian or health care professional.

<b>RECOMMENDED DOSAGE &amp; ADMINISTRATION METHOD</b>	<ul style="list-style-type: none"><li>• Dose: 100-250 ppm for warm water fishes</li><li>• Immerse fish until desired depth of sedation or anesthesia is reached. The maximum exposure time is 30 minutes.</li><li>• Dissolve measured amount of <b>TRICAINE-S</b> in sufficient volume of water to provide the final desired concentration.</li><li>• Immerse fish in clean water until recovery is complete.</li><li>• <b>Caution:</b><ul style="list-style-type: none"><li>○ Use plastic or glass containers for <b>TRICAINE-S</b> solutions.</li><li>○ Maintain adequate oxygenation and acidity of solutions .</li><li>○ Use at water temperatures of 10°C or greater .</li></ul></li><li>• <b>Warning:</b><ul style="list-style-type: none"><li>○ Treated fish must not be slaughtered for use in food for at least 5 days after the latest treatment with <b>TRICAINE-S</b> at water temperatures of 10°C or greater</li></ul></li></ul>
<b>PRESENTATION</b>	<ul style="list-style-type: none"><li>• <b>TRICAINE-S</b> is available in 100 gram and 1 kg bottles.</li></ul>
<b>COMPOSITION</b>	<ul style="list-style-type: none"><li>• <b>TRICAINE-S</b> is the tradename for Tricaine methanesulfonate OR MS-222</li></ul>
<b>STABILITY &amp; STORAGE</b>	<ul style="list-style-type: none"><li>• <b>TRICAINE-S</b> powder is very stable when kept cool and dry in a tightly closed container.</li><li>• <b>TRICAINE-S</b> solutions decompose slowly, are slowly inactivated by fish, and may become toxic when exposed to strong sunlight for several hours (keep bath in the shade).</li><li>• For best results use freshly made <b>TRICAINE-S</b> solutions, or freeze stock solutions for dilution and use at a later time</li></ul>
<b>SAFETY PRECAUTIONS</b>	<ul style="list-style-type: none"><li>• Stressors such as handling, low oxygen, high temperatures, and crowding should be minimized before, during and after anesthesia.</li><li>• Always test dose and response with a small group of fish first.</li><li>• Use an anesthesia container made of inert material (glass or plastic is best), as <b>TRICAINE-S</b> may react with zinc or</li></ul>

copper and produce a toxic effect.

- Maintain constant water temperature through holding, anesthesia and recovery.
- Change **TRICAINES** anaesthetic solution frequently.
- Maintain oxygenation throughout anesthesia and recovery. Add air or oxygen as required.
- For periods of long anesthesia, neutralize the pH of the **TRICAINES** solution to the pH of the holding tank with sodium bicarbonate.
- Keep **TRICAINES** solutions away from eggs and milt during spawning.