



# PRODUCT DATA SHEET



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## H1-R RACING 100% SYNTHETIC ESTER 2T ENGINE OIL

**H1-R Racing 100% Synthetic Ester 2T Engine Oil** is the ultimate 2-stroke racing engine oil formulated for all power valve 2-stroke engines. Advanced 100% synthetic ester base oils cling to metal, preventing wear in all 2-stroke applications. Clean burning to prevent carbon build-up in combustion chambers and power valve mechanisms. **H1-R Racing 100% Synthetic Ester 2T Engine Oil** keeps engines clean and responsive even under the most severe racing conditions.

**H1-R Racing 100% Synthetic Ester 2T Engine Oil** is CIK-FIA approved for use in racing kart engines.

**H1-R Racing 100% Synthetic Ester 2T Engine Oil** is not recommended for methanol base fuel.

### *Applications*

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- ◆ For premix applications only. Use at ratios recommended by the engine manufacturer, typically 32:1 for engines up to 125cc and 40:1 for engines above 125cc
- ◆ Engine oil for small engines in racing karts, go-karts, remote control (RC) equipments
- ◆ Suitable for air-cooled or liquid-cooled 2-stroke engines
- ◆ Use wherever a high performance synthetic premix lubricant is needed

### *Features and Benefits*

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|-----------------------------|--|
| ◆ Superior anti-wear        | Extends bearing life. Reduces cylinder and ring wear.  |
| ◆ Superior deposit control  | Reduces ring sticking. Reduces deposits on the variable height exhaust valve (power valve) for superior throttle response.   |
| ◆ Superior combustibility   | Clean burning for low smoke. Eliminates spark plug fouling.  |
| ◆ Synthetic ester base oils | Exceptional lubricity. Highly polar base oils cling to metal surfaces. Resists wiping action of rings in the cylinder for minimal scuffing and internal friction wear. |

### *General Description*

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**H1-R Racing 100% Synthetic Ester 2T Engine Oil**'s highly polar synthetic ester base oils cling to the metal for superior wear protection. It minimizes smoke, spark plug fouling and gum and varnish build-ups which typically cause ring sticking. **H1-R Racing Synthetic Ester 2T Engine Oil** will eliminate gum and varnish deposits in older engines for more responsive and powerful performance.

### *Product No. 99280*

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**Product No. 99280**

## **Mixing Instructions**

This product is formulated for premix ratios ranging between 30:1 and 50:1 for motorcycle use. Follow the recommendation of the engine manufacturer. 40:1 is recommended for optimum performance in motorcycle racing applications.

### **Mix Ratios For Racing Kart Use**

<b>Typical Recommended Mix Ratios</b>	<b>Ratio</b>	<b>%</b>
100cc motors (max 16,000 rpm)	20:1	5
100cc motors (max 20,000 rpm)	16:1	6
125cc TAG & ICC motors (max 16,000 rpm)	20:1	5
125cc Rotax MAX	Use Rotax Recommendations	

Typical Mix Ratio Recommendations for **H1-R Racing 100% Synthetic Ester 2T Engine Oil**.

<u>Fuel:Oil</u>	<u>½ gallon</u>	<u>1 gallon</u>	<u>1 liter</u>	<u>2 liters</u>	<u>3 liters</u>	<u>5 liters</u>
16:1	4oz	8oz	62.5cc	125cc	187.5cc	312.5cc
18:1	3.6oz	7.1oz	56cc	111cc	167cc	278cc
20:1	3.2oz	6.4oz	50cc	100cc	150cc	250cc
25:1	2.6oz	5.1oz	40cc	80cc	120cc	200cc
30:1	2.2oz	4.3oz	33cc	67cc	100cc	167cc
32:1	2.0oz	4.0oz	31cc	63cc	94cc	156cc
40:1	1.5oz	3.0oz	25cc	50cc	75cc	125cc
45:1	1.4oz	2.8oz	22cc	44cc	67cc	111cc
50:1	1.3oz	2.6oz	20cc	40cc	60cc	100cc