



**PETRONAS**

# **UCARSOL™**

## **GAS TREATING SOLVENTS**

**PETRONAS CHEMICALS GROUP BERHAD**  
CHEMISTRY FOR GROWTH

## PCG Gas Treating Solvents

# UCARSOL™

UCARSOL™ (GAS TREATING SOLVENTS) is a formulated solvent specially designed to either selectively or completely remove Hydrogen Sulphide (H<sub>2</sub>S) or Carbon Dioxide (CO<sub>2</sub>). The UCARSOL™ Series is preferred over generic amines for reducing energy consumption and operating costs.



**PETRONAS CHEMICALS  
DERIVATIVES SDN. BHD. (PCDSB)**

- Kertih, Terengganu
- 5 KMTPA UCARSOL™

### Product Applications

GAS REMOVAL	UCARSOL GRADES	SPECIAL APPLICATIONS	SYSTEMS
Selective removal of H <sub>2</sub> S from CO <sub>2</sub> & H <sub>2</sub> S mixtures	HS 101	Sour gas treating	<ul style="list-style-type: none"> <li>• Refinery &amp; petrochemical</li> <li>• Natural gas processing</li> <li>• Tail gas processing</li> </ul>
	HS 102	Acid gas enrichment	Natural gas stream (low & high pressure)
	HS 103	Tail gas treating	Tail gas processing
	HS 115	Liquid hydrocarbon treating	Refinery fluidised catalytic cracker
Removal of CO <sub>2</sub>	AP 802, 804, 806	Removal of CO <sub>2</sub> to pipeline specifications	Natural & synthesis gas processing
	AP 810, 814	Removal of CO <sub>2</sub> before cryogenic	Natural & synthesis gas processing
	NH 608	Removal of CO <sub>2</sub>	Ammonia synthesis gas

### Product Specifications

COMPONENTS	UNITS	RECOMMENDED TERGITOL™ NP SERIES								
		AP 802	AP 804	AP 810	AP 814	HS 101	HS 102	HS 103	HS 115	NH 608
Alkalinity	meq/g	8.10 - 8.70	8.40 - 9.10	9.24 - 9.93	9.40 - 10.00	7.83 - 8.14	7.30 - 7.90	7.40 - 8.00	7.42 - 8.02	9.40 - 10.00
Water	% Weight	1.0 max	1.0 - 1.7	5.8 - 7.2	6.9 - 8.3	4.5 - 5.5	4.7 - 6.7	3.0 - 5.0	2.0 max	6.9 - 8.3
Colour	Pt-Co	150 max	150 max	150 max	150 max	150 max	150 max	150 max	150 max	150 max
Specific Gravity @ 20/20°C	-	-	-	-	-	1.045 - 1.048	1.055 - 1.075	-	-	-

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