

### SOLVENT DEGREASERS



**RAMSOL HD** is a heavy-duty solvent degreaser designed for dispersing heavy hydrocarbon sludge, foulant and asphaltenes as well as for removing hydrogen sulphide in an oil phase trapped in lines, vessels and other refinery equipment.

### FEATURES AND BENEFITS

- Contains oil-soluble sulphide scavenger
- Powerful and fast acting
- Safe on all hard metal surfaces
- Can be stored outdoors
- When used in catalyst units, residual product will not contaminate or poison unit

### DIRECTIONS FOR USE

**Soils to be removed**

Tars, lubricating oils, bitumen residue, heavy oils, asphaltic materials, hydrogen sulfide contamination, etc.

**Use procedure**

For use in chemical cleaning or circulation procedures requiring the use of light gas oil, nitrogen or with systems that cannot tolerate the use of water, steam, etc.

It can also be emulsified in water to customize foulant and H<sub>2</sub>S removal in other systems. For H<sub>2</sub>S removal, typically 1L/m<sup>3</sup> will treat 15 mg/L of H<sub>2</sub>S in the system.

**Concentration**

Most effective when used undiluted.

Dilute to 2-5% v/v when used as part of a LGO or nitrogen purge cleaning procedure.

**Dwell time / Operation time**

Use according to the amount and depth of foulant and concentration of hydrogen sulphide. For ideal treatment, proper mixing and temperatures below 170°C preferred.

# RAMSOL HD

## HEAVY-DUTY SOLVENT DEGREASER & SULFIDE SCAVENGER

### PHYSICAL PROPERTIES

Appearance	Colorless Liquid
Odour	Solvent
Specific Gravity @ 20°C	0.95
Viscosity	Thin
pH	Not applicable
Flash Point (TCC)	41°C
Boiling Point	Not determined
Freezing Point	Not determined
Foaming Tendency	Nil
Concentration Monitoring Techniques	Not determined
Rinsability	Excellent
Water Solubility	Emulsifies




### INCOMPATIBILITY

Oxidizing materials

### WAREHOUSING PRECAUTIONS

Store away from heat sources and flames

### AVAILABLE SIZES

		
20L / 5,28Gal.	205L / 54,16Gal	1000L / 264,17Gal.

### FIRST AID MEASURES

#### EYE CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists.

#### SKIN CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists.

#### INHALATION

Give fresh air or artificial respiration. Consult physician.

#### INGESTION

Do not induce vomiting. Drink plenty of water and consult physician immediately.

### HEALTH

2

### FLAMMABILITY

2

### REACTIVITY

1

### LEGEND

0 = MINIMAL RISK  
1 = SLIGHT RISK  
2 = MODERATE RISK  
3 = SERIOUS RISK  
4 = SEVERE RISK

### PERSONAL PROTECTION Security equipment



WHMIS



**IMPORTANT:** Before using RAMSOL HD, always be sure to read and follow precautions and directions for use appearing on the product container label and on the material safety data sheet (m.s.d.s.).