

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 H₂S removal in other systems. For H₂S removal, typically 1L/m³ (1 oz. / ft³) will treat 15 mg/L (15 PPM) of H₂S in the system.

Concentration

Most effective when used undiluted.

Dwell time / Operation time

Dilute to 2-5% v/v when used as part of a LGO or nitrogen purge cleaning procedure. Use according to the amount and depth of foulant and concentration of hydrogen sulphide. For ideal treatment, proper mixing and temperatures below 170°C (338°F) 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 (105,8°F)
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.).



CARLSTADT

700 Gotham Parkway
Carlstadt, New Jersey 7072
Tel.: 201-567-3000
Toll free : 1-800-631-1652

MONTREAL

10,900 rue Secant
Anjou, Quebec H1J 1S5
Tel.: 514-355-4660
Toll free : 1-800-361-8927

EDMONTON

11411-160 Street
Edmonton, Alberta T5M 3T7
Tel.: 780-454-3919
Toll free: 1-866-454-3919

United States
www.penetone.com

Canada
www.westpenetone.com