

## METASOL

### HEAVY-DUTY ALKALINE CLEANER & DEGREASER

**METASOL** is an exceedingly versatile, high-performance alkaline cleaner and degreaser designed to remove a multitude of soils for a variety of applications in the oilfield industry and energy service sector.

**METASOL** effectively cleans large systems such as fin fan cooling systems and heat exchangers to tankers and fleet vehicles in wash-bay cleaning and degreasing applications.

### FEATURES & BENEFITS

- High foaming
- Phosphate free
- Non-flammable
- Toxicity and corrosion data available
- EcoLogo certified formula available in **BIO-EZE 3**
- Industrial strength detergency
- Leaves a “like new” shine on metal surfaces
- Versatile application methods



### DIRECTIONS FOR USE

#### Use procedure

For large systems, apply up to 100 ml/ft<sup>2</sup> as part of a 12.5% v/v HP or HV foaming procedure to produce a 1 ft depth of foam.

Consult with your local West Penetone sales representative for the procedures best suited for your application.

For all other applications, use as part of a manual, low-pressure, high-pressure, or foaming application.

#### Concentration in water

**HP/HV foaming procedures:** 4.75-12.5% v/v (approximately 20:1 to 7:1), according to the amount of soil.

**Manual or low-pressure degreasing applications:** 30-35%v/v (approximately 2:1).

#### For vehicle washing:

- Foaming applications: Minimum of 2% v/v (48:1)
- High pressure applications: 0.5-1% v/v (from 192:1 to 96:1)

#### Dwell time/Operation time

Allow to dwell 3 to 5 minutes before final rinsing.

#### Rinsing

High volume, low-pressure or high-pressure hot water depending on use procedures.

# METASOL HEAVY-DUTY ALKALINE CLEANER & DEGREASER

## PHYSICAL PROPERTIES

### Appearance

Clear, red liquid

### Odour

Detergent

### Specific gravity @ 20°C

1.065-1.085

### Viscosity

Not available

### pH

12.5-13.5

### Flash point (TCC)

None

### Water solubility

Complete

### Boiling point

100°C (212°F)

### Freezing point

Approx. -15°C (5°F)

### Foaming tendency

High

### Rinsing

Excellent

### Concentration monitoring techniques

Not determined

### Titration-active alkalinity (as ppm NaOH)

2% v/v: approx. 740  
12.5% v/v: approx. 4250

## INCOMPATIBILITY

Strong oxidizing materials, acids, amphoteric or light metals

## WAREHOUSING PRECAUTIONS

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place

## AVAILABLE SIZES



10L



20L



205L



1000L



## IMPORTANT

Before using **METASOL**, always be sure to read and follow precautions and directions for use appearing on the product's container label, and on the safety data sheet (S.D.S).

## FIRST AID MEASURES

### Ingestion

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

### Inhalation

Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

## PERSONAL PROTECTION



WHMIS

