

H₂S SCAVENGERS / DEGASIFICATION



ROC 40 is an enzymatic product used for all vessel entry procedures. It penetrates foulant to mitigate benzene and LEL emissions, H₂S gas and pyrophoric iron accumulation while providing vessel entry with reduced decontamination times.

FEATURES AND BENEFITS

- Improves solubilization of VOC's with vapors pressures > 1 atm by $\geq 20\%$ by weight in water
- Pleasant wintergreen fragrance
- Near-neutral pH
- Non-hazardous
- Non-flammable
- Toxicity data available
- Compatible with all metallurgy
- Wastewater friendly
- Effective for many types of vessel cleaning and plant shutdowns
- Versatile application methods

DIRECTIONS FOR USE

Use procedure

May be used with adequate steam or high-pressure systems or by direct injection when used as part of a circulation procedure. Consult with your local West Penetone sales representative for procedures best suited for your application.

Dosage application

Dependent on degree of hydrogen sulfide and LEL emissions.

A minimum concentration of 5-10% v/v with water is recommended when applying by high-pressure or as part of a prescribed volume circulation/cascade procedure.

When used as part of an injection procedure apply at a maximum rate of 4-6 L/min (1-1,5 gal./min) into steam or 6-8 L/min (1,5-2 gal./min) into a continuous water stream.

Use temperature

60 - 80°C (140 - 176°F) is recommended

Dwell time/Operation time

Dependent on job, site and method of application. Retain monitoring is recommended.

ROC 40

ENZYME-BASE CLEANER & DEGASIFICATION AID

PHYSICAL PROPERTIES

Appearance	Green liquid
Odour	Wintergreen
Specific Gravity @ 20°C	1.015-1.025
Viscosity	Not available
pH	9.9-10.9
Flash Point (TCC)	None
Boiling Point	100°C (212°F)
Freezing Point	-49°C (-56,2°F)
Foaming Tendency	High
Critical Micelle Concentration (ppm _w)	4000
VOC Solubility (ppm _w as propane in 5% v/v solution)	390
Concentration Monitoring Techniques	Test strip, Surface tension
Water Solubility	Complete
Rinsability	Excellent




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

			
20L/ 5,28Gal.	205L/ 54,16Gal.	1000L/ 264,71Gal.	

FIRST AID MEASURES

EYE CONTACT

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SKIN CONTACT

Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off immediately all contaminated clothing and wash it before re-use.

INHALATION

If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION

Rinse mouth. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel concerned or unwell.

HEALTH

1

FLAMMABILITY

0

REACTIVITY

0

LEGEND

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

PERSONAL PROTECTION Security equipment



WHMIS



IMPORTANT: Before using ROC 40, always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).



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