

H₂S SCAVENGERS / DEGASIFICATION



FORMULA 1 is a non-corrosive, fast acting, economical batch treatment sulfide scavenger that removes hydrogen sulfide contamination in one step for a dramatic reduction in volatile headspace emissions. It is typically used in tanks or vessels to treat sour fluids such as slop oil, waste water, etc.

FEATURES AND BENEFITS

- Moderate foaming capacity
- Contains no added formaldehyde
- High flash-point formula available in **FORMULA 1-HFP**
- Non-corrosive
- Fast acting
- Dramatically reduces turn-around time
- Suitable for environments with temperatures as low as -50°C (-58°F)

DIRECTIONS FOR USE

Use procedure

Use **FORMULA 1** as part of a mixing or injection procedure. Recommended procedures include pumping sour fluid directly to a dilution of **FORMULA 1** contained within another tank or vessel. May also be added directly to sour fluid via spray and fluid injection to mitigate headspace and liquid-phase contamination simultaneously.

Concentration

1 - 3 L/m³ (1 - 3 oz. / ft³) per 100 ppm_w dissolved H₂S for batch fluid treatment. Note that the application may require dosage adjustments when determining H₂S concentration by headspace measurement due to variance in partitioning.

Dwell time/Operation time

Allow to mix with sour fluid thoroughly before measuring remaining contamination levels.

Additional guidelines

Can be diluted with methanol, glycols or water depending on use procedures.

FORMULA 1

HIGH-CAPACITY SULFIDE SCAVENGER

PHYSICAL PROPERTIES

Appearance	Yellow liquid
Odour	Amine
Specific Gravity @ 20°C	0.950-0.960
Viscosity	Thin
pH	9.5-10.5
Flash Point (TCC)	24°C (75,2°F)
Boiling Point	Not determined
Freezing Point	Approx. -50°C (-58°F)
Foaming Tendency	Moderate
Concentration Monitoring Techniques	Not determined
Water Solubility	Complete




INCOMPATIBILITY

Acids & oxidizing materials

WAREHOUSING PRECAUTIONS

Keep from freezing

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

Administer 1-2 glasses of water. Induce vomiting.
Seek medical attention. Never administer fluids to an unconscious person.

HEALTH

2

FLAMMABILITY

3

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 FORMULA 1, 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.).



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