

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.

Dosage application

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	Light amber liquid
Odour	Alcohol/amine
Specific Gravity @ 20°C	0.995-1.000
Viscosity	Not available
pH	10.2-10.3
Flash Point (TCC)	24°C (75.2°F)
Boiling Point	Not available
Freezing Point	≤ -49°C (-56°F)
Foaming Tendency	Moderate
Concentration Monitoring Techniques	Not determined
Water Solubility	Complete



INCOMPATIBILITY

Acids, oxidizing agents.

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. Call a POISON CENTER or doctor/physician if you feel unwell. If skin irritation or rash occurs, get medical advice/attention. Take off immediately all contaminated clothing and wash it before re-use.

INHALATION

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION

Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

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 safety data sheet (S.D.S).



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