

ARLOX HSO600

HYDROGEN SULFIDE SCAVENGER

ARLOX HSO600 is a liquid, oil-soluble organic formulation that reacts with hydrogen sulfide (H₂S) to form an oil-soluble and stable amine sulfide. When added to condensate or crude oil, toxic H₂S can be quickly and permanently removed.

FEATURES AND BENEFITS:

- Oil-soluble ashless formulation.
- Non-formaldehyde formulation.
- Will not contaminate products.
- Safe to use.
- Reaction products are thermally stable.
- H₂S is permanently removed.
- Can be stored outdoors.
- Excellent low temperature handling.

RECOMMENDED TREATMENT: 1 L/m³ (typically) will remove 170 mg/L H₂S.

NOTE: Produced hydrocarbons often contain sulfur compounds other than H₂S. If heat is applied in surface processing, additional H₂S may be increasingly formed to temperatures above 176°C. Required treatment amount depends on the level of H₂S in the system and the degree of reduction desired.

*** The general rule is to use 10 ppm of scavenger additive for every 1 ppm of H₂S as measured in the liquid phase. Or use 1 ppm of scavenger chemistry for every 10 ppm H₂S as measured in the head space (vapor phase).*

PHYSICAL PROPERTIES:

Appearance:	Amber liquid; aromatic odour
Specific Gravity:	0.830
Flash Point:	52°C (closed cup)
Solubility:	Dispersible

MIXING/HANDLING:

Add continuously by a positive displacement pump. Often, treating efficiency can be significantly aided by selected use of spray nozzles, quills, static mixers or pump pulsation dampeners. Since the removal of toxic H₂S is by a non-reversible chemical reaction, proper mixing and contact time will provide efficient and economical treatment. Refer to the SDS for specific precautions and handling requirements.

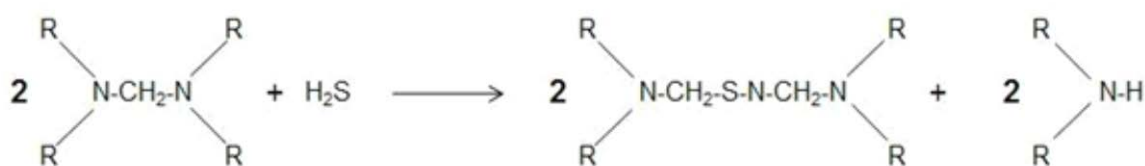
MICROTOX® THRESHOLD: TBD

PACKAGING: 20L pails / 32 pails/pallet
208L drum / 4 drums/pallet

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ARLOX HS 600 Reaction with H₂S



(R=C₄H₉)

The data below is based on NACE Standard TM-01-69 (Test conditions: 14 days at 60°C)

Metal	Corrosion Rates (mpy)	Rate
Aluminum:	0.0	C0
Copper:	0.4	C1
Mild Steel :	0.0	C0
304 S. Steel:	0.0	C0
316 S. Steel:	0.0	C0

Rating Scale:

C0	< 0.1 mpy	No corrosion
C1	0.1 - 1.0 mpy	Very light corrosion
C2	1.0 - 5.0 mpy	Light corrosion
C3	5.0 - 10.0 mpy	Moderate corrosion
C4	10.0 - 20.0 mpy	Heavy corrosion
C5	20.0 mpy	Very heavy corrosion