

MERQUEL[®] 48



ICL Industrial
PRODUCTS

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Chemical name: MERQUEL[®]48
Formula: HBr
CAS Number: 12124-97-9
MW: 97.94

General & Use:

MERQUEL[®]48 is a source of elemental bromine for industry. MERQUEL[®]48, as a bromine containing compound, can be used to oxidize elemental mercury present in coal into ionic species thereby enhancing the overall capture of mercury in downstream pollution control equipment.

For health & safety matters please refer to the MSDS.

Typical Analysis:

Appearance	clear, colorless to yellow liquid	
	Min	Max
Color APHA		50
Density 20/20°C g/ml	1.48	
HBr content %	48	49
Chlorides (as Cl ⁻) wt %		0.01
Iron (as Fe ₂ O ₃) ppm		2
Heavy metals (as Pb) ppm		3
Arsenic (as As) ppm		0.5
Non-volatiles %		0.005
Free bromine %		0.001
Sulfates (as SO ₄ ⁻²) ppm		10
Iodides (as I ⁻) %		0.01
Sodium (Na) ppm		10
Calcium (Ca) ppm		5
Magnesium (Mg) ppm		5

Flammability and Explosivity:

MERQUEL[®]48 is non-flammable and non-explosive. At high temperature it will release toxic fumes of hydrogen bromide.

Toxicity:

LD₅₀ (inhalation, rat): HBr 100% 2,858 ppm/1h. MERQUEL[®]48 is corrosive to eyes, skin and mucous membranes. Actual inhalation may produce delayed pulmonary edema. Direct contact results in serious corneal and skin burns.

Packaging:

MERQUEL[®]48 solution: 300 kg net HDPE plastic drums or 1400 kg in IBC.

Storage and Handling:

Store in a dry, shaded, well ventilated area. Avoid breathing of vapor or any bodily contact.

For more information please contact us.

MERQUEL® 48

Visit our Website: www.icl-ip.com

For more information about our products and to place an order, please contact one of our regional sales offices.

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