

# MERQUEL® 96



**ICL Industrial**  
PRODUCTS

[www.icl-ip.com](http://www.icl-ip.com)



**Chemical name:** MERQUEL®96  
**Formula:**  $\text{NH}_4\text{Br}$   
**CAS Number:** 12124-97-9  
**MW:** 97.94

## General & Use:

MERQUEL®96 is a source of elemental bromine for industry. MERQUEL®96, 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	white crystalline solid
Appearance of 20% solution	clear, colorless

	Min	Max
Assay %	99.5	
Loss on drying %	0.2	
Transmit of 20% Sol 410 mm	96	
pH of a 5% aqueous solution	4.5	5.5
Chlorides (as Cl <sup>-</sup> ) wt %	0.1	
Iodides (as I <sup>-</sup> ) %		0.006
Sulfates (as $\text{SO}_4^{2-}$ ) Wt %		0.005
Resistance to $\text{KMnO}_4$ Minutes	10	2
Heavy metals (as Pb) ppm		3
Iron (as $\text{Fe}_2\text{O}_3$ ) ppm		2
Non-volatiles %		0.01
Alkal earth metals (as Ca) %		0.005
Water insolubles %		0.00

## Flammability and Explosivity:

Non-flammable and non-explosive. On heating to sublimation, dissociates into ammonia and hydrogen bromide.

## Toxicity:

LD<sub>50</sub> (oral, rat): 2714 mg/kg  
MERQUEL®96 is an irritant to the eyes. It is a non-irritant to intact skin.

## Packaging:

MERQUEL®96 is supplied in 25 Kg PE bags or in 500Kg big bags - compacted, free flowing.

## Storage and Handling:

Store in a dry, cool, well ventilated area. Avoid inhalation, ingestion and contact with eyes and skin.

For more information please contact us.

## MERQUEL® 96

Visit our Website: [www.icl-ip.com](http://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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