

November 2003

## Technical Data Sheet for GALLIUM SULPHATE soln.

**Nomenclature:** Gallium(III)Sulphate in aqueous solution.  
**Formula:**  $\text{Ga}_2(\text{SO}_4)_3$  M.W. 427.62  
**CAS Number:** 13780-42-2 {hydrated form}  
**Description:**  $\text{Ga}_2(\text{SO}_4)_3$  dissolved in de-ionized  $\text{H}_2\text{O}$

**Appearance** Clear colourless solution

### Chemical Data

**Gallium Strength** Typically 100g/l as Ga

Made from gallium of a purity not less than 99.99% and typically 99.995%



*Gallium Sulphate in aqueous solution packed in a 2 litre borosilicate glass bottle with pipe insert in screw cap*

**% metal in compound w/w**  
as gallium  $\equiv$  32.6%

### Liquid Density

Gallium sulphate in soln at 100g/l G  $\equiv$   $1.2\text{gcm}^{-3}$

### Physical properties

The hydrated salt dissociates after 700°C

**pH** < 2

### Packaging/Containers

Glass/Polythene bottles