

EZ-Pour™ Granulated Anhydrous Gallium Trichloride (GaCl₃)

EZ-Pour™ Gallium Trichloride is a granulated, free-flowing form of GaCl₃. It is exceptionally easy to handle and can be poured easily from the container. No melting or use of solvents is required.



Synonyms	Gallium Chloride, Gallium (III) Chloride
CAS Number	13450-90-3
EC (EINECS/ELINCS) Number	236-610-0
RTECS	LW9100000
Purity	99.999% (5N)
Appearance	White spheroid beads; deliquescent; fumes in air
Form	Free-flowing granule
Formula Weight	176.08 g/mol
Theoretical Gallium Content	39.596%
Density:	
Solid	2.47 g/cm ³
Liquid	2.05 g/cm ³ at mp
EZ-Pour™	1.3–1.4 g/cm ³
Melting Point	77.9° C
Boiling Point	201.3° C at 760 torr
Vapor Pressure	48° C = 1 torr 78° C = 10 torr
Solubility	Soluble in water, ammonia, benzene, ethers, carbon disulfide, carbon tetrachloride

Impurities (99.999%)	Typical (ppm)	Maximum (ppm)
Aluminum (Al)	< 1	5.0
Copper (Cu)	< 1	3.0
Iron (Fe)	< 1	4.0
Germanium (Ge)	< 1	5.0
Indium (In)	< 1	5.0
Sodium (Na)	< 1	5.0
Nickel (Ni)	< 1	1.0
Lead (Pb)	< 1	5.0
Tin (Sn)	< 1	5.0
Zinc (Zn)	< 1	5.0
Total Combined Metals	< 3	10.0

All information is for reference only. Not to be used as incoming product specifications.

Packaging

- Borosilicate glass bottle with high-temperature resistant PBT cap and PTFE liner
- Available in 0.5 kg, 1 kg, and 2 kg
- Material is shipped in UN/DOT, IATA, and IMDG compliant packaging

Storage and Shelf Life

Gallium Trichloride is highly deliquescent and the material will liquefy quickly if exposed to a humid environment. The bottles need to remain tightly sealed until use.

EZ-Pour™ Gallium Trichloride has a shelf life of 6 months due to the deliquescent nature of the chemical.

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging. All Indium Corporation's products and solutions are designed to be commercially available unless specifically stated otherwise.

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