

PRODUCT DATA SHEET

EZ-Pour® Granulated Anhydrous Gallium Trichloride (GaCl₃)

Introduction

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 quasi-spherical pellets; deliquescent; fumes in air
Form	Free-flowing granule
Formula Weight	176.08g/mol
Theoretical Gallium Content	39.596%
Density: Solid Liquid EZ-Pour®	2.47g/cm ³ 2.05g/cm ³ at mp 1.3–1.4g/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

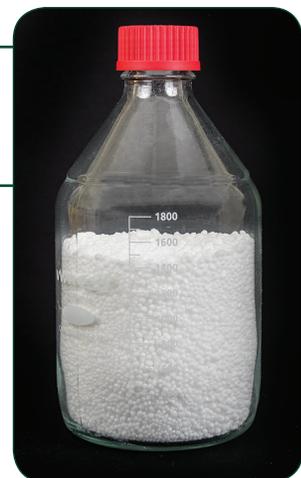
Impurities (99.999%)	Typical (ppm)	Maximum (ppm)
Aluminum (Al)	<1	5.0
Copper (Cu)	<1	3.0
Iron (Fe)	<1	4.0
Germanium (Ge)	<1	5.0
Indium (In)	<1	5.0
Sodium (Na)	<1	5.0
Nickel (Ni)	<1	1.0
Lead (Pb)	<1	5.0
Tin (Sn)	<1	5.0
Zinc (Zn)	<1	5.0
Total Combined Metals	<3	10.0

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

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 and invoices. All Indium Corporation's products and solutions are designed to be commercially available unless specifically stated otherwise.

Packaging

- Borosilicate glass bottle with high-temperature resistant PBT cap and PTFE liner
- Available in 0.5kg, 1kg, and 2kg
- 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 at least 12 months. Due to the deliquescent nature of the chemical, we recommend storage in a low-humidity dry box.

Safety Data Sheets

The SDS for this product can be found online at <http://www.indium.com/sds>

From One Engineer To Another®

Contact our engineers today: askus@indium.com

Learn more: www.indium.com

ASIA +65 6268 8678 • CHINA +86 (0) 512 628 34900 • EUROPE +44 (0) 1908 580400 • USA +1 315 853 4900

Form No. 99125 R2



©2018 Indium Corporation