



INDIUM CORPORATION OF AMERICA®\EUROPE®\ASIA-PACIFIC®
INDIUM CORPORATION (SUZHOU)®
SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: GALLIUM NITRATE HYDRATE

SDS NUMBER: SDS-5816

REVISED DATE: 22 JANUARY 2015

PRODUCT : Industrial Use – GaN₃O₉ xH₂O.

MANUFACTURER:

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2. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY:

√ Eye √ Inhalation √ Skin √ Ingestion

CARCINOGEN LISTED IN:

NTP IARC OSHA √ Not Listed

GHS



Signal Word: Danger

Hazard statement(s)

H272 May intensify fire; oxidizer

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces-No smoking

P220 Keep/Store away from clothing/combustible materials

P233 Keep container tightly closed

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P270 Do not eat, drink or smoke when using this product

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

P362 Take off contaminated clothing and wash before reuse

P301 + P314 IF SWALLOWED: Get Medical advice/attention if you feel unwell

P302 +P352 IF ON SKIN (or hair): Wash with plenty of soap and water

P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305 + P351 IF IN EYES: Rinse continuously with water for several minutes (15 mins)

P370 +P378 In case of fire: Use dry sand, dry chemical or alcohol – resistant foam for extinction

P405 Store locked up

P501 Dispose of contents/container in accordance with local/regional/national/international regulations

GHS Classification:

Oxidizing solids (Category 2)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity- single exposure (Category 3) (inhalation-may cause respiratory irritation)

POTENTIAL HEALTH EFFECTS:

Eye Contact: Causes eye irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May cause respiratory irritation. May be harmful if inhaled.

Skin Contact: Causes skin irritation. May be harmful if absorbed through the skin.

Note: **The Indium Corporation does not recommend, manufacture, market or endorse any of its products for human consumption.**

7. HANDLING AND STORAGE

Handling Use good housekeeping practices.

Precautions: Keep away from sources of ignition. Wear personal protective clothing when handling material. Avoid contact with skin and eyes. Avoid dust generation.

Storage Precautions: Store product in a cool, dry, ventilated area away from incompatible materials. Protect from moisture. Hygroscopic. Handle under inert gas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation is recommended, 100 feet per minute face velocity.

Personal protection:

Eyes: Chemical safety glasses/goggles. Face shield should be used if there is a splash hazard.

Respirator: A NIOSH approved or EU compliant CE marked air-purifying full - face respirator with a particulate cartridge may be necessary if contaminants are elevated. Proper engineering controls should be in place.

Skin: Rubber or chemical resistant gloves.

Other: Lab coat, eye-wash fountain in work area. Avoid the use of contact lenses in high fume/dust areas.

Work/Hygienic Maintain good housekeeping. Clean up spills immediately. Wash hands thoroughly with soap and water immediately upon leaving the work area. Refrain from eating or smoking in work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Crystalline form	Boiling Point:	No information available
Odor:	None	Melting Point:	110C (230F)
Specific Gravity:	Not established	pH:	No information
Vapor Pressure:	Not applicable.	Solubility:	Not available
Vapor Density:	(air=1) Not applicable.	Molecular Weight:	Not available

10. STABILITY AND REACTIVITY

General: Stable under storage conditions.

Conditions to Avoid: Avoid moisture.

Incompatible Materials: Strong reducing agents, strong acids

Hazardous Decomposition / Combustion: Emits NO_x, gallium oxides when heated to decomposition.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity Listing: National Testing Program (NTP): No
Occupational Safety & Health Administration (OSHA): No
U.N. International Agency for Research on Cancer (IARC): No

LD50: No information available

Irritancy of Product: Irritant
Sensitization to Product: Not established
Reproductive Toxicity: Not established

Mutagenicity: Not established
Teratogenicity: Not established
Synergistic Products: Not established

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATION

Waste Disposal Method: Dispose of in accordance with all Federal, State and Local environmental regulations

14. TRANSPORT INFORMATION

Transport in accordance with applicable regulations and requirements.

UN 1477, Nitrates, Inorganic, N.O.S., 5.1, PG II

North America Emergency Guide Book 2012 - Guide #140

Marine Pollutant: No

PIH: No



15. REGULATORY INFORMATION

The information in this Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated hereunder (29 CFR 1910.1200 ET. SEQ.).

This product has been classified in accordance with the guidelines set by the Dept of Industrial Health of the Republic of Singapore.

This product has been classified in accordance with the Mexican regulations NOM-018-STPS-2000 and NOM-010-STPS-1999.

This product has been classified using the Chinese Occupational Exposure Limit of Hazardous Agents in the Workplace, GBZ2-2002.

SARA 313 Listing - 40 CFR 372.65 None

All ingredients are listed on the EPA TSCA Inventory.

California Prop 65: Warning: This product contains a chemical known to the State of California to cause cancer and/or birth defects (or other reproductive harm). (Trace levels of listed metals).

Ingredients are listed on the Canadian Domestic Substance List.

EC Classification, Packaging and Labeling Requirements:

Symbol and Hazard Classification of Product: Xi O

Risk Phrases:

R 8 Contact with combustible material may cause fire.
R36/38 Irritating to eyes and skin

Safety Phrases:

S17 Keep away from combustible material
S20/21 When using do not eat, drink or smoke
S23 Do not breathe fumes/gas/vapor/spray
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S28 After contact with skin wash immediately with plenty of soap and water
S45 In case of accident or if you feel unwell, seek medical advice immediately .

16. OTHER INFORMATION

HMIS Hazard Rating:

Health:	2
Fire:	0
Reactivity:	2
Special hazard:	OX

Revised Date: 22 JANUARY 2015
Prepared by: Nancy Swarts, Indium Corporation of America
Approved by: Nancy Swarts, Indium Corporation of America

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