



SAFETY DATA SHEET

ProChemOnline.com



SECTION 1

PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Gallium (III) Acetylacetonate**

PRODUCT NUMBER: 1856

CAS NUMBER: 14405-43-7

SYNONYMS: Gallium (III) 2,4-pentanedionate

MANUFACTURER:

ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

PHONE: 815-398-1788
FAX: 815-398-1810
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2

HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

Warning

Hazard Statements

H302+H312+H332	Harmful if swallowed, in contact with skin, or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.

Precautionary Phrases

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P302+P352+P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P304+P340+P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

EYE CONTACT: Causes serious eye irritation.

SKIN CONTACT: Causes skin irritation.

INHALATION: May cause respiratory irritation.

INGESTION: Harmful if swallowed.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $\text{Ga}(\text{C}_5\text{H}_7\text{O}_2)_3$

Molecular Weight: 367.05

CHEMICAL NAME	CAS#	%
Gallium (III) Acetylacetonate	14405-43-7	100

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Rinse out with plenty of water. Remove contact lenses. Seek medical assistance.

SKIN EXPOSURE: Take off immediately all contaminated clothes. Rinse skin with water/shower. Consult a physician.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediately medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious).

SECTION 5 FIREFIGHTING MEASURES

FLASH POINT: Not applicable

AUTO IGNITION TEMPERATURE: No data

EXPLOSION LIMITS: No data

EXTINGUISHING MEDIUM: Water foam carbon dioxide, dry powder

SPECIAL FIRE FIGHTING PROCEDURES: If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon oxide and gallium oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear protective equipment and ensure adequate ventilation. Avoid inhalation of dusts.

ENVIRONMENTAL PRECAUTIONS: Do not allow material to be released into the environment. Do not let enter drains.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Without creating dust, sweep up and place in suitable container for proper disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep container tightly closed. Avoid forming airborne dust. Avoid contact with skin and eyes. Be sure to use adequate exhaust or ventilation.

CONDITIONS FOR SAFE STORAGE: Store material in a tightly sealed container in a dry and well-ventilated area. S

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses with side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.

SKIN PROTECTION: Chemical resistant gloves.

VENTILATION: Handle in an efficient chemical fume hood.

RESPIRATOR: Wear an approved respirator. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White solid

MOLECULAR WEIGHT: 367.05

BOILING POINT: No data

MELTING POINT: 196-198° C

SPECIFIC GRAVITY: No data available

VAPOR PRESSURE: No data available

SOLUBILITY IN WATER: No data available

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: No hazardous polymerization

CONDITIONS TO AVOID: No data available

INCOMPATIBILITY: Strong oxidizing agents

DECOMPOSITION PRODUCTS: Carbon oxide and gallium oxides.

SECTION 11 TOXICOLOGICAL DATA

ACUTE TOXICITY: Not available

CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.

MUTAGENIC EFFECTS: Not available

TETRATOGENIC EFFECTS: Not available

RTECS: Not available

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12 ECOLOGICAL DATA

No information available

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14 TRANSPORTATION DATA

Not a dangerous good

SECTION 15 REGULATORY INFORMATION

SARA 311/312: Acute Health Hazard

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.

SECTION 15 REGULATORY INFORMATION (Cont.)

PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Gallium Acetylacetonate

NEW JERSEY RIGHT TO KNOW COMPONENTS: Gallium Acetylacetonate

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

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SDS DEPT