



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

TIN FOIL

1. Product Identification

Synonyms: Tin; Tin Foil ; Stannum

CAS No.: 7440-31-5

Molecular Weight: 118.69

Chemical Formula: Sn

Product Codes: 19020

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Tin Foil	7440-31-5	90 - 100%

3. Hazards Identification

Potential Health Effects

Inhalation: No adverse effects expected but dust may cause mechanical irritation.

Ingestion: Large doses may cause nausea, vomiting, and diarrhea.

Skin Contact: No adverse effects expected. May cause mild irritation and redness

Eye Contact: No adverse effects expected but dust may cause mechanical irritation.

Chronic Exposure: Prolonged inhalation of the dust or fume may result in a benign pneumoconiosis, producing distinctive changes in the lungs with no apparent disability or complications.

Aggravation of Pre-existing Conditions: No adverse health effects expected.

4. First Aid Measures

Inhalation: Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Skin Contact: Not expected to require first aid measures. Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Wash thoroughly with running water. Get medical advice if irritation develops.

5. Fire Fighting Measures

Fire: Not considered as a fire hazard.

Explosion: Not considered as an explosion hazard

Fire Extinguishing Media: Use dry sand, graphite, dolomite, sodium chloride. Do not use water, halogenated agents, or class A, B, or C extinguishers

Special Information: Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

The information contained herein is in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Avoid dust dispersal.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

-OSHA Permissible Exposure Limit (PEL): 2 mg/m³ (TWA)

-ACGIH Threshold Limit Value (TLV): 2 mg/m³ (TWA)

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators : If the exposure limit is exceeded and engineering controls are not feasible, a half facepiece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest.. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance: Silvery gray Foil

Odor: Odorless.

Solubility: Insoluble in water.

Density: 7.31

pH: No information found.

% Volatiles by volume @ 21C (70F): 0

Boiling Point: 2507C (4545F)

Melting Point: 231.9C (450F)

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): 1 @ 1609C (2928F)

Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity

Stability: Stable under normal conditions

Hazardous Decomposition Products: No hazardous decomposition products.

Hazardous Polymerization: Will not occur.

Incompatibilities: Halogens and halogen trifluorides, cupric nitrate, sodium and potassium peroxide, sulfur, and some acids.

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.



Serving Scientific Community
Since 1985



TECHNO PHARMCHEM

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com
Website : www.technopharmchem.com

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

Investigated as a tumorigen.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Tin Foil (7440-31-5)	No	No	None

12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture :

Ensure all national/local regulations are observed.

Chemical Safety Assessment: It has not been carried out.

16. Other Information

Product Use

Laboratory Reagent for Educational & Research Purposes