Revision Date: March 25, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Titanium Standards (O, N, H, and C)

AR637, AR641, AR642, AR648, AR649, AR650, AR651, AR647, AR588, AR589

This product is intended for laboratory use.

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Signal Word

N/A

SECTION 2— HAZARDS IDENTIFICATION

This material is not classified as hazardous by the GHS standard (29 CFR 1910.1200).

This product is purchased in the solid state and should not produce any type of dust because there is no machining necessary for proper use. In solid form it will present very few potential health hazards.

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS #	OSHA PEL(mg/m^3)	ACGIH TLV (mg/m^3)	Common %
Titanium	7440-32-6	15	10	100

SECTION 4— FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

If eye irritation persists: Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water. (P302+P352)

If swallowed: Rinse mouth. Call a physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Non-flammable.

Auto-Ignition Temperature: N/A NFPA Code: N/A

Fire Fighting Instructions: Firefighters should use methods that are consistent with surrounding fire. Molten metals react negatively with water, rust, and also certain metal oxides. This can result in violent reactions and occasionally explosions.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

This material should be swept up and placed into a sealed vessel for disposal. Wash the contaminated area once the sweeping has taken place.

SECTION 7 — HANDLING AND STORAGE

Handling: This material is to be handled carefully to prevent dropping.

Storage: This product should be stored in a cool, dry place and kept sealed (P233) when not in use.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Proper ventilation should be used when appropriate. An approved NIOSH respirator should be worn if exposure limits are excessive.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Silver, grey solid. Melting Point: 1668°C Soluble: Insoluble in water Odorless Boiling Point: 3260 °C Specific gravity: 4.5g/cc @20 °C

SECTION 10 — STABILITY AND REACTIVITY

Stability: stable

Indefinite shelf life if stored correctly.

Avoid acids and oxidizing agents.

Hazardous decomposition products can be found in the form of Titanium Oxide fume if overheated.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Effects: N/A Chronic Effects: N/A Target Organs: N/A ORL-RAT LD50 : N/A

SECTION 12 — ECOLOGICAL INFORMATION

N/A

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste disposal should be done in compliance with existing federal, state and local environmental regulations.

SECTION 14 — TRANSPORT INFORMATION

United States Department of Transportation: Not regulated in this solid state.

Hazard class: N/A. UN number: N/A.

SECTION 15 — REGULATORY INFORMATION

U.S. Federal Regulations TSCA Status: On Toxic Substance Control Act Inventory List. CERCLA Reportable Quantity: None RCRA Status: Not regulated SARA 313 Title III: Section 302 Extremely Hazardous Substances: None Section 311/312 Hazardous Categories: Chronic Health Section 313 Toxic Chemicals: None Canadian Regulations WHMIS: D2B

SECTION 16 — OTHER INFORMATION

The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.