



MATERIAL SAFETY DATA SHEET

MSDS Number:	0011	Revision Date:	EPA Transport Emergencies-Chemtrec:
		29Sep09	1-800-424-9300

SECTION I PRODUCT IDENTIFICATION TANTALUM TUBING

SECTION II HAZARDOUS INGREDIENTS Defined by OSHA 29 CFR 1910.1200

Chemical Composition, in wt %

UNS Grade	Ta	W
RO5200	99+	-
RO5252	Bal	3

Ingredients and Permissible Exposure Limits

Element	CAS No.	PEL-TWA	STEL
Tantalum	7440-25-7	5	N
Tungsten	7440-37-7	5	N

LEGEND:

PEL Permissible Exposure Limits (mg/m³).

TWA Time Weighted Average (mg/m³), the transitional **PELS** are 8 hour TWA's.

STEL Short Term Exposure Limit (mg/m³) duration is for 15 minutes.

C Ceiling Limit (mg/m³). **D** - Dust (mg/m³).

F Fume (mg/m³). **N** - Not available.

SECTION III PHYSICAL DATA

All materials supplied are solid rod, wire, strip, ribbon, or tubing.

SECTION IV FIRE AND EXPLOSION DATA

Tantalum is non-flammable, although sparks from grinding or welding may ignite flammable or combustible materials.

SECTION V REACTIVITY INFORMATION

Tantalum is stable under normal conditions of storage and handling, but is incompatible with bases, halogens, interhalogens and oxidizers.

SECTION VI HEALTH HAZARD INFORMATION

This product poses no health hazard in the solid form. However, grinding powder or welding fumes generated from this product may pose a potential health hazard. Tantalum may be harmful by inhalation, ingestion, and skin absorption. It can cause irritation to the skin, eyes, mucous membranes and upper respiratory tract.

SECTION VII SPECIAL PRECAUTIONS

Important: Practice proper industrial hygiene to insure that the use of this material does not generate grinding dusts or welding fumes in excess of OSHA limits. Consult the Federal Register, 29CFR 1920.1200 for further explanation of terms and abbreviations used in this material safety data sheet.

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