Techalloy Company, Inc.

MATERIAL SAFETY DATA SHEET
Filler Metals and Welding Rods

"ESSENTIALLY SIMILAR" to U.S. Department of Labor Form OSHA 20
(to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200)

SECTION I

Manufacturer's Name: **TECHALLOY MARYLAND, INC.** Emergency Phone (301) 633-9300

Address: **2310 Chesapeake Avenue, Baltimore, MD 21222**

Trade Name: **TECHALLOY** Product Type: Welding Consumables for TIG,MIG&S

Classification: AWS: 307, 308, 308L, 308MO, 308MOL, 308LHS, 309, 309LHS, 310, 310HC, 312, 316, 316L, 16-8-2, 317, 317L, 318, 320, 320LR, 330, 347, 410NiMo, 630

MIL: 308, 308CO, 308L, 308COL, 308HC, 309, 309CO, 310, 312, 316, 316L, 317, 318, 321, 347, 347CO

SECTION II
HAZARDOUS INGREDIENTS/Identity Information

*IMPORTANT: This Section covers materials from which this product is manufactured.

Ingredients of The Product	CAS No.	OSHA PEL Mg/M3	ACGIH TLV Mg/M3	Carcinogenicity
Iron	7439-89-6	5	10 (as Fe_2O_3)	No
Chromium	7440-47-3	.05(Chromium VI)	.05(Chromium VI)	Yes
Nickel	7440-02-0	1	1	Yes
Manganese	7439-96-5	5	1	No
Silicon	7440-21-3	5 (as SiO_2	3 (as SiO_2)	No
Molybdenum	7439-98-7	15	10	No

SECTION III
PHYSICAL DATA

NOT APPLICABLE

SECTION IV
FIRE AND EXPLOSION HAZARD DATA

Welding arc and sparks can ignite combustibles and flammables. Refer to American National Standard Z49.1 for fire prevention during the use of welding and allied procedures.

SECTION V
HEALTH HAZARD DATA

"Electric arc-welding may create one or more of the following health hazards: *Fumes and gases* can be dangerous to your health. *Arc Rays* can injure eyes and burn skin. *Electric Shock* can kill.

EFFECTS OF OVEREXPOSURE: "Short-term overexposure to welding fumes may result in discomfort such as: dizziness, nausea, or dryness or irritation of nose, throat, or eyes, tightness in chest, fever and allergic reactions, (see Sections 4 and 7)." "Long-term (chronic) overexposure to welding fumes may lead to siderosis (iron deposit in lungs) and is believed by some investigators to affect pulmonary function.Nickel and chromium compounds are required by OSHA to be considered carcinogenic.

EMERGENCY & FIRST AID PROCEDURES: Remove to fresh air, obtain medical attention. Employ first aid techniques recommended by the American Red Cross.

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