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#340

MATERIAL SAFETY DATA SHEET

CHEMALLOY CO. INC.

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Telephone: (215) 527-3700

CHEMICAL NAME: Titanium Dioxide

COMMON/TRADE NAME: Ilmenite, Leucoxene, Rutile
TiO₂, Titanox

DATE: 1/1/90

SUPERSEDES: 12/1/88

SECTION I — HAZARDOUS INGREDIENTS

Hazardous Components (Specific Chemical Identity)	CAS #	OSHA PEL	ACGIH TLV
<u>Titanium Dioxide</u>	<u>13463-67-7</u>	<u>10mg./M³ total dust</u>	<u>10mg/M³ total dust</u>

Ilmenite

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SECTION II — PHYSICAL/CHEMICAL CHARACTERISTICS

Melting Point	<u>Approx. 3300° F</u>	Specific Gravity (H ₂ O = 1)	<u>4.3 to 5.0</u>
Solubility (Water)	<u>Nil</u>	Other	
Appearance and Odor	<u>Black to brownish red luster. No odor.</u>		

SECTION III — REACTIVITY DATA

Stability:	Unstable	Conditions to Avoid
	Stable	<u>X</u>

Incompatibility (Materials to Avoid) None known.

Hazardous Decomposition or Byproducts None known.

Hazardous Polymerization:	May Occur	Conditions to Avoid
	Will Not Occur	<u>X</u>

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	<u>None.</u>
Extinguishing Media)
Special Fire Fighting Procedures) <u>Not a fire or explosion hazard.</u>
Unusual Fire and Explosion Hazards)

SECTION V — HEALTH HAZARD DATA

Route(s) of Entry Inhalation

Health Hazards (Acute and Chronic) Irritation of respiratory system.

Carcinogenicity None known

Signs and Symptoms of Overexposure Irritation of respiratory tract.

Emergency and First Aid Procedures On contact with skin, practice proper hygiene. On contact with eyes, flush eyes thoroughly with water for 15 minutes. On inhalation of excessive dust, remove to fresh air. Seek medical attention if respiratory problems persist.

SECTION VI — SPECIAL PROTECTION AND PRECAUTIONS

Ventilation and Engineering Controls Local exhaust

Personal Protective Equipment NIOSH approved dust filter respirator.

Safe Handling, Use and Storage Normal handling and storage.

Protective Measures During Repair & Maintenance Wear protective equipment listed above.

SECTION VII — SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material is Released or Spilled Use normal clean-up procedure.

Waste Disposal Method Follow federal, state and local regulations.

Other Precautions Follow all other precautions and data noted herein.

NOTE: The data contained in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information herein is based on technical data that Chemalloy believes to be reliable. It is intended to be used by persons with technical skill. Prior to use, the user shall conduct their own investigation(s) to determine the suitability of the information for their particular purpose, and appropriate warnings and safe handling procedures should be provided to handlers and users. Any use of this data must be determined by the user to be in accordance with federal, state and local laws and regulations. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents. Since conditions of use and suitability are beyond Chemalloy's control, any risks and suitability are therefore assumed by the user, and Chemalloy expressly disclaims all warranties, including warranties of merchantability and fitness for a particular purpose, express or implied, in respect to the use or suitability of the material.