



# MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

<b>I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY</b>			
<b>Product Name:</b>	<b>Nickel Hi-Temp</b>	<b>Manufacturer/Supplier:</b>	
<b>Chemical Family:</b>	Petroleum Hydrocarbon	The Whitmore Manufacturing Company	
<b>Use:</b>	Anti-Seize Lubricant	930 Whitmore Drive Rockwall, Texas 75087, U.S.A.	
<b>Emergency Tel. No.:</b>	CHEMTREC	U.S.A. & Canada	800-424-9300 (24 hrs)
		International	703-527-3887 (Collect - 24 hr)
		Australia	00-111-703-527-3887 (Collect - 24 hr)

<b>II. COMPOSITION INFORMATION ON INGREDIENTS</b>					
<b>Hazardous Components</b>	<b>CAS No.</b>	<b>Wt%</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Australia TWA</b>
Nickel Powder	7440-02-0	30 max	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

<b>III. ADVERSE HUMAN HEALTH EFFECTS</b>	
<b>Eyes:</b>	Any eye contact will cause irritation.
<b>Skin:</b>	Prolonged skin contact will cause irritation.
<b>Inhalation:</b>	Breathing fumes in confined areas at elevated temperatures will cause lung irritation.
<b>Ingestion:</b>	Harmful if swallowed. Potential carcinogen.

<b>IV. FIRST AID MEASURES</b>	
<b>Eyes:</b>	Flush with large amounts of cold water. If irritation persists, SEEK MEDICAL ATTENTION.
<b>Skin:</b>	Thoroughly wash exposed area with soap and water.
<b>Inhalation:</b>	Provide fresh air source. If irritation persists, SEEK MEDICAL ATTENTION.
<b>Ingestion:</b>	Do not induce vomiting. SEEK MEDICAL ATTENTION.

<b>V. FIRE FIGHTING MEASURES</b>	
<b>Extinguishing Media:</b>	Foam, CO <sub>2</sub> , Dry Chemical
<b>Unsuitable Extinguishing Media:</b>	Not Known
<b>Fire Fighting Protective Equipment:</b>	Treat as an oil fire.

<b>VI. ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions:</b>	Wear plastic or neoprene rubber gloves.
<b>Environmental Precautions:</b>	Do not allow it to enter drains.
<b>Spillage:</b>	Absorb with dry inert material and shovel up.

<b>VII. HANDLING AND STORAGE</b>	
<b>Handling:</b>	Keep away from open flame and sparks.
<b>Storage:</b>	Store in metal containers until disposal.

<b>VIII. EXPOSURE CONTROL/PERSONAL PROTECTION</b>	
<b>Respiratory Protection:</b>	If product is overheated, use organic NIOSH/MSHA filter-type respirator.
<b>Hand Protection:</b>	Plastic or Neoprene Rubber
<b>Eye Protection:</b>	Safety Goggles.
<b>Body Protection:</b>	None

## HMS SYMBOLS

Health	1
Flammability	1
Reactivity	0
PPI	B

MSDS-039

Effective Date: 10-17-96

Revised Date: 1-12-05

<b>IX. PHYSICAL AND CHEMICAL PROPERTIES</b>			
<b>Physical State:</b>	Grease	<b>Color:</b>	Silver
<b>Boiling Range/point, °F (°C):</b>	>600 (>315)	<b>Melting Point, °F (°C):</b>	>480 (>249)
<b>Flash Point (COC), °F (°C):</b>	[>430 (>221) (Base Oils)]	<b>Autoignition Temperature, °F (°C):</b>	Not Known
<b>Explosive Properties:</b>	<b>LEL:</b> 0.9	<b>UEL:</b> 7.0	<b>Evaporation Rate (Butyl Acetate):</b> Nil
<b>Partition Coefficient (Log Pow):</b>	N/A	<b>Vapor Pressure (kPa):</b>	Nil
<b>Density:</b>	1.10	<b>Flammability:</b>	Not Known
<b>Oxidizing Properties:</b>	Nil	<b>Solubilities in Water:</b>	Nil
		<b>Vapor Density:</b>	>5
		<b>% Volatiles:</b>	Nil

<b>X. STABILITY AND REACTIVITY</b>	
<b>Stability:</b>	Chemically stable under normal conditions.
<b>Conditions to Avoid:</b>	Direct flame.
<b>Materials to Avoid:</b>	Strong inorganic and organic acids and oxidizing agents.
<b>Decomposition Products:</b>	Oxides of hydrocarbons, carbon, and possible metal carbonyls.

<b>XI. TOXICOLOGICAL INFORMATION</b>			
<b>Acute Toxicity:</b>	Not Known	<b>Skin Irritancy:</b>	Very Mild
<b>Chronic Toxicity:</b>	Not Known	<b>Skin Sensitization:</b>	Not Known
<b>Sub-acute/Subchronic Toxicity:</b>	Not Known	<b>Genotoxicity:</b>	Not Known
<b>California Prop 65:</b>	Yes	<b>EC Classification (67/548/EEC):</b>	R40/43
<b>Carcinogenicity:</b>	<b>NTP:</b> Suspected	<b>IARC:</b>	Yes
<b>LC-50:</b>	Not Available	<b>OSHA:</b>	No
		<b>LD-50:</b>	Not Available

<b>XII. ECOLOGICAL INFORMATION</b>	
<b>Possible Effects:</b>	Unknown
<b>Behavior:</b>	Relatively well behaved. Bioaccumulation potential nil.
<b>Environmental Fate:</b>	Not thought to be toxic to marine or land organisms.

<b>XIII. WASTE DISPOSAL</b>	
<b>Product Disposal:</b>	Observe all local, state & federal regulations concerning disposal of lubricating grease.
<b>Container Disposal:</b>	Observe all local, state & federal regulations concerning disposal of lubricating grease.

<b>XIV. TRANSPORT INFORMATION</b>	
<b>DOT:</b>	Not Regulated
<b>UN No.:</b>	Not Regulated
<b>Air Transport (ICAO/IATA):</b>	Not Regulated
<b>Sea Transport (IMO/IMDG):</b>	Not Regulated
<b>Road and Rail Transport (ADR/RID):</b>	Not Regulated

<b>XV. REGULATORY INFORMATION</b>	
<b>Labeling Information:</b>	N/A
<b>R Phrases:</b>	R40/43 Possible risks of irreversible effects. May cause sensitization by skin contact.
<b>S Phrases:</b>	S2 Keep away from children.
<b>Ozone Depleting Chemicals:</b>	None/Nil
<b>TSCA:</b>	All Components are listed.
<b>WHMIS (Canada):</b>	Not Regulated
<b>EPA Regulation 40 CFR Part 372 (SARA Section 313):</b>	See Section II.

<b>XVI. OTHER INFORMATION</b>	
-------------------------------	--