



ANTI-SEIZE TECHNOLOGY
A.S.T. Industries, Inc.

H.M.I.S.	
H -	1
F -	0
R -	0
P.P.	A

NICKEL PLATE™ ANTI-SEIZE COMPOUND

STOCK # ('S):

35002,35005,35010,35015,35018,35025,35030,35050,35130,35425

MATERIAL SAFETY DATA SHEET

Section 1- Chemical Product and Company Identification

Manufacture: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131

Phone: 847-455-2300

Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053 or 352-323-3500

Section 2-Composition/ Information on Ingredients

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
NICKEL AS DUST OR FUME	7440-02-0	1.5mg/m3	1mg/m3	YES	YES	20 TO 30
SYNTHETIC GREASE BASE (not hazardous)	TRADE SECRET (NJTSRN # 1210-01)			NO	NO	40 TO 60
GRAPHITE	7440-44-0	15mg/m3	2 mg/m3	NO	NO	5 TO 10
ALUMINUM, AS DUST OR FUME *	7429-90-5	15mg/m3	10mg/m3	YES	NO	2 TO 5
RUST INHIBITOR	15337-18-5	NOT ESTABLISHED		NO	NO	1 TO 3

* = CHEMICALS SUBJECT TO REPORTING UNDER SARA TITLE III
SEE SECTION VI - HEALTH INFORMATION FOR FURTHER DETAILS

Section 3- Hazard Identification

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

HEALTH HAZARDS: WOUNDS: NICKEL POWDER AND NICKEL OXIDE HAVE CAUSED TUMORS AT THE SITE OF INJECTION IN RODENTS. HOWEVER, STUDIES OF NICKEL CONTAINING PROSTHESES DO NOT SUGGEST A SIGNIFICANT RISK TO HUMANS. PROLONGED AND REPEATED SKIN CONTACT WITH METALLIC NICKEL CAN CAUSE NICKEL SENSITIVITY RESULTING IN ALLERGIC SKIN RASHES.

TARGET ORGANS (NICKEL), ALLERGEN, HUMAN CARCINOGEN, IRRITANT, KIDNEY, MUTAGEN, REPRODUCTIVE, RESPIRATORY TARGET ORGANS (ALUMINUM) CENTRAL NERVOUS SYSTEM, IRRITANT, LUNG.

Section 4 – First Aid Measures

SKIN: WASH WITH SOAP AND WATER, USING A NAIL BRUSH. PAY PARTICULAR ATTENTION TO FINGER NAILS AND OPEN WOUNDS.

EYES: THIS PRODUCT COULD CAUSE SOME MECHANICAL IRRITATION IF GOTTEN INTO THE EYES AND RUBBED. FLUSH EYE WITH WATER FOR 15 MINUTES, LIFTING THE EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

INGESTION: IF INGESTED THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE REACTION. THIS PRODUCT CONTAINS A PETROLEUM DERIVATIVE; **DO NOT INDUCE VOMITING**, BECAUSE IT MAY BE ASPIRATED INTO THE LUNGS. USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

INHALATION: NOT LIKELY UNDER NORMAL CONDITIONS OF USE. IF USING IN HIGH TEMPERATURE APPLICATIONS WHERE THERMAL DECOMPOSITION IS LIKELY, USE A LOCAL EXHAUST TO REMOVE FUMES. IF DIZZINESS OR IRRITATION OCCURS, SEEK FRESH AIR.

CHEMICAL ('S) LISTED AS CARCINOGENS; NICKEL

NPT: YES KNOWN / SUSPECT I.A.R.C.? : YES. GROUP 2B OSHA? YES

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (I.A.R.C.) HAS CONCLUDED THAT NICKEL REFINING WAS CARCINOGENIC TO HUMANS AND THAT NICKEL AND CERTAIN NICKEL COMPOUNDS WERE PROBABLE HUMAN CARCINOGENS. I.A.R.C. COULD NOT STATE WITH ANY CERTAINTY WHICH FORMS OF NICKEL ARE PROBABLE CARCINOGENS BUT STATED "... METALLIC NICKEL SEEMS LESS LIKELY TO BE A CARCINOGEN THAN NICKEL SUBSULFIDE OR NICKEL OXIDES..."

EPIDEMIOLOGICAL STUDIES OF WORKERS EXPOSED TO DUST AND FUME GENERATED IN THE PRODUCTION OF NICKEL ALLOYS AND OF STAINLESS STEEL HAVE NOT INDICATED THE PRESENCE OF A SIGNIFICANT RESPIRATORY CANCER HAZARD

Section 5 – Fire Fighting Measures

FLASH POINT AND METHOD USED: 425F. , C.O.C.

FLAMMABLE LIMITS: LEL: NO DATA **UEL:** NO DATA

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: THIS COMPOUND WILL NOT BURN UNLESS IT IS PRE-HEATED. WATER FOG MAY BE USED TO COOL THE CONTAINERS BUT DO NOT SPRAY DIRECTLY INTO LARGE CONTAINERS OF BURNING LIQUIDS AS FROTHING MAY OCCUR. WEAR A "N.I.O.S.H" APPROVED ORGANIC VAPOR RESPIRATOR.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DENSE SMOKE AND NOXIOUS OR TOXIC FUMES MAY BE GENERATED IN A FIRE. FIRE FIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS.

Section 6 – Accidental Release Measures

SPILL/ LEAKAGE PROCEDURES: THE VISCOUS NATURE OF THIS PRODUCT MAKES SPILLS UNLIKELY. SCOOP UP THE MATERIAL AND RETURN TO ITS ORIGINAL CONTAINER, OR USE AN OIL ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

Section 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN CLOSED CONTAINERS AWAY FROM INTENSE HEAT OR OPEN FLAMES.

OTHER PRECAUTIONS: DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN.

Section 8 – Exposure Controls / Personal Protection

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED. IF THIS PRODUCT IS BEING USED IN HIGH TEMPERATURE APPLICATIONS WHERE THE PRODUCT "SMOKES", USE A LOCAL EXHAUST OR VENTILATE THE AREA TO MAINTAIN THE AIR QUALITY. A "N.I.O.S.H" APPROVED ORGANIC VAPOR RESPIRATOR IS ALSO ACCEPTABLE.

PROTECTIVE GLOVES: NORMALLY NOT REQUIRED UNLESS PROLONGED OR REPEATED SKIN CONTACT IS EXPECTED, AND THEN USE LATEX OR NEOPRENE GLOVES.

EYE PROTECTION: SAFETY GLASSES ARE RECOMMENDED.

WORK/HYGIENIC PRACTICES: USE GOOD STANDARD PRACTICES WHEN USING THIS MATERIAL. DO NOT EAT OR SMOKE WHILE USING, AND THOROUGHLY WASH WITH SOAP AND WATER, USING A NAIL BRUSH AFTER USING.

Section 9 – Physical and Chemical Properties

BOILING POINT: NOT DETERMINED

MELTING POINT: NO MELTING POINT

VAPOR PRESSURE: NO DATA

EVAPORATION RATE: 0

APPEARANCE AND ODOR: NICKEL COLORED PASTE, SLIGHT ODOR.

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 1.15

PERCENT VOLATILE: 0

Section 10 – Stability and Reactivity

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID: STORAGE AROUND STRONG OXIDIZERS

INCOMPATIBILITY, (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: THE THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT UPON THE COMBUSTION CONDITIONS. NOXIOUS OR TOXIC FUMES MAY BE GENERATED, SOME OF WHICH MAY BE TOXIC OR IRRITATING. THE DECOMPOSITION PRODUCTS CAN INCLUDE OXIDES OF NICKEL, OXIDES OF ALUMINUM AND VARIOUS CARBON COMPOUNDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

Section 11 – Toxicological Information

SEE SECTION 2, SECTION 3 AND SECTION 4 FOR ADDITIONAL INFORMATION AND EXPOSURE LIMITS

Section 12 – Ecological Information

NO ADDITIONAL INFORMATION IS AVAILABLE. THIS PRODUCT IS NOT EXPECTED TO BIOACCUMULATE.

Section 13 – Disposal Consideration

WASTE DISPOSAL: DISPOSE OF IN A RESPONSIBLE MANNER. FOLLOW LOCAL, STATE AND FEDERAL GUIDELINES. DO NOT DISCHARGE INTO SEWERS OR WATERWAYS. INCINERATION IS THE PREFERRED METHOD OF DISPOSAL, ALTHOUGH IT MAY BE LANDFILLED AT AN APPROVED FACILITY.

Section 14- Transport Information

TRANSPORTATION BY LAND (49CFR); NOT REGULATED

TRANSPORTATION BY AIR (ICAO/IATA): NOT REGULATED

TRANSPORTATION BY SHIP (IMO/IMDG): NOT REGULATED

WHMIS: NOT REGULATED.

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: NICKEL
OZONE DEPLETING SUBSTANCES: NONE

SARA TITLE III: NICKEL

CERCLA: NICKEL

WHMIS HAZARD CLASS: D.2.A, D.2.B

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCERS.

RCRA: NO

DOT SHIPPING CLASS: NOT HAZARDOUS

TASCA INVENTORY: ALL INGREDIENTS LISTED

N.F.P.A. RATING: H-2, F-2, R-0

Section 16 – Other Information:

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS OBTAINED FROM THE USE OF HIS PRODUCT. THEREFORE, BECAUSE THE PRODUCT MAY BE USED UNDER CONDITIONS BEYOND OUR CONTROL, WE ASSUME NO LIABILITY FOR its USE.

DATE: 1/15/2009

NICKEL PLATE, 16 PART ISO MSDS