



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

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

COPPER PLATE™

ANTI-SEIZE COMPOUND

STOCK # ('S): 21002, 21010, 21015, 21018, 21019, 21025, 21030, 21050, 21130, 21425

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

MANUFACTURE: ANTI-SEIZE TECHNOLOGY
2345 N. 17th Ave.
FRANKLIN PARK, IL. 60131

EMERGENCY TELEPHONE #: 847-455-2300

24 HOUR EMERGENCY #: INFOTRAC @ 1-800-535-5053 or 352-323-3500

SECTION 2 - COMPOSITION

	CAS #	PERCENT
COPPER, AS DUST OR FUME	7440-50-8	30 TO 40
SYNTHETIC GREASE BASE (NJTSRN # 1210-01)		40 TO 60
RUST INHIBITOR	15337-18-5	1 TO 3
NON-HARRODS		1 TO 8

SECTION 3- HAZARD IDENTIFICATION

HAZARD DESCRIPTION: NOT HAZARDOUS

PHYSICAL DANGERS: NONE KNOWN

FLASH POINT AND METHOD USED: > 350F, C.O.C.

FLAMMABLE LIMITS: LEL: NO DATA UEL: NO DATA

EFFECTS OF SHORT TERM

OVEREXPOSURE: OVEREXPOSURE IN UNLIKELY UNDER NORMAL CONDITIONS OF USE. IF USED ABOVE THE PRODUCTS DECOMPOSITION POINT, SMOKE WILL EVOLVE WHICH CAN BE IRRUPTING.

EFFECTS OF CHRONIC OVEREXPOSURE: LUNG DAMAGE COULD OCCUR OF CONSTANTLY EXPOSED TO HIGH CONCENTRATIONS OF THE THERMAL DECOMPOSITION FUMES.

HEALTH HAZARDS: THIS PRODUCT IS NOT PARTICULARLY TOXIC. SKIN IRRITATION CAN OCCUR IF PROLONGED OR REPEATED SKIN CONTACT OCCURS. KEEP OUT OF OPEN WOUNDS. AVOID BREATHING LARGE QUANTITIES OF THE THERMAL DECOMPOSITION FUMES.

NFPA RATING (0 - 4) HEALTH=1, FIRE = 2, REACTIVITY =0

HMIS RATING (0 - 4) HEALTH=1, FIRE=1, REACTIVITY = 0

SECTION 4 - FIRST AID

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

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 PETROLEUM OIL; DO NOT INDUCE VOMITING, BECAUSE THE OIL MAY BE ASPIRATED INTO THE LUNGS. USE A GASTRIC RAVAGE, 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

NPT? NO I.A.R.C. ? : NO OSHA? : NO

SECTION 5 - FIRE AND EXPLOSION 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 - SPILL PROCEDURES

SPILL/ LEAKAGE PROCEDURES: BECAUSE OF ITS VISCOUS NATURE THIS PRODUCT IS NOT EXPECTED TO LEAK OR SPILL. SMALL SPILLS MAY BE SCOOPED UP AND RETURNED TO THE CONTAINER

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 7 – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM STRONG OXIDIZERS, EXTREME HEAT OR OPEN FLAMES. KEEP AWAY FROM CHILDREN

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

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE

7440-50-8 COPPER, AS DUST

OSHA PEL: 1mg/m³
NIOSH REEL: 1mg/m³
ACGIH TLV 1mg/m³

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED. IF THIS PRODUCT IS BEING USED IN HIGH TEMPERATURE APPLICATION WHERE THE PRODUCT "SMOKES" USE A LOCAL EXHAUST OR VENTILATE THE AREA TO MAINTAIN THE AIR QUALITY, OR USE A "N.I.O.S.H" APPROVED ORGANIC VAPOR RESPIRATOR. IF AN INDIVIDUAL IS REMOVING, DRY, FLAKY MATERIAL, USE A DUST RESPIRATOR.

PROTECTIVE GLOVES: NORMALLY NOT REQUIRED. IF PROLONGED OR REPEATED SKIN CONTACT IS EXPECTED USE A LATEX GLOVE

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 PROPERTIES

BOILING POINT : >700F

MELTING POINT: DOES NOT MELT

VAPOR PRESSURE: NO DATA

EVAPORATION RATE: 0

APPEARANCE AND ODOR: SILVER/GRAY PASTE, GREASE LIKE ODOR

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 1.2

VOC CONTENT: 0

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID: USE WITH STRONG OXIDIZING CHEMICALS SUCH AS CONCENTRATED ACIDS.

INCOMPATIBILITY: 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.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11 – TOXICOLOGICAL INFORMATION

THE ALUMINUM AND COPPER CONTAINED IN THIS PRODUCT ARE ENCAPSULATED AND CAN NOT BECOME AIRBORNE UNDER NORMAL CONDITIONS OF USE. IF THE PRODUCT IS USED ABOVE ITS THERMAL DECOMPOSITION POINT, THEN THE ALUMINUM AND COPPER CAN BE IN A POWDER FORM WHICH COULD BECOME AIRBORNE IF THE MATERIAL IS SCRAPPED, OR WIRE BRUSHED. UNDER THESE CIRCUMSTANCES IT IS BEST TO WEAR A DUST MASK TO AVOID BREATHING THE DUST. SIGN OF EXPOSURE MAY BE A METALLIC TASTE.

CARCINOGENS? NO

COPPER< HEALTH EFFECTS: SKIN, MUTAGEN, LIVER, KIDNEY, GASTROINTESTINAL, CENTRAL NERVOUS SYSTEM, BLOOD ALLERGEN,

SECTION 12 – ECOLOGICAL INFORMATION

COPPER IS CONSIDERED A MARINE POLLUTANT. IT SHOULD NOT BE DISPOSED OF WHERE IT WILL CONTACT SEWER OR WATER

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GUIDELINES

Disposal Regulatory Requirements: NOT CONSIDERED A RCRA HAZARDOUS WASTE.

SECTION 14 – TRANSPIRATION INFORMATION

ICAO/IATA: NOT REGULATED

IMO/IMDG:

PROPER SHIPPING NAME:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (COPPER)
HAZARD CLASS	9
IDENTIFICATION NUMBER	UN3082
PACKING GROUP	III
MARINE POLLUTANT	COPPER

DOT NOT REGULATED
 DOT REPORTABLE QUANTITY 5000 lb.

SECTION 15 – REGULATORY INFORMATION

SARA SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES)

NO INGREDIENTS LISTED

SARA SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS)

COPPER, 7440-50-8

TSCA: ALL INGREDIENTS ARE LISTED

PROPOSITION 65, NONE

CANADIAN WHMIS: NOT REGULATED

CALIFORNIA PROPOSITION 65: NO

RCRA: NO

OZONE DEPLETING SUBSTANCES: NONE

SARA TITLE III: COPPER,

CERCLA: COPPER

MARINE POLLUTANT: YES, COPPER

SECTION 16 – OTHER

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 THIS PRODUCT. THEREFORE, BECAUSE THE PRODUCT MAY BE USED UNDER CONDITIONS BEYOND OUR CONTROL, WE ASSUME NO LIABILITY FOR ITS USE.

DATE: 01/15/2009

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