



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

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P.P.	A

SPECIAL™

Aluminum, Copper, and Graphite Based *ANTI-SEIZE AND LUBRICATING COMPOUND*

STOCK # ('S): 18002, 18003, 18005, 18010, 18015, 18016, 18018, 18019, 18025, 18030, 18045, 18130, 18125

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

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

TELEPHONE #: 847-455-2300

24 HR. EMERGENCY #: INFOTRAC @ 1-800-535-5053

SECTION II - COMPOSITION

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
COPPER, AS DUST OR FUME	7440-50-8	1mg/m3	SAME	YES	NO	20 TO 30
ALUMINUM, AS DUST OR FUME	7429-90-5	5mg/m3	SAME	NO	NO	5 TO 8
PETROLEUM OIL	64742-65-0	5mg/m3	SAME	NO	NO	40 TO 60
GRAPHITE	7782-42-5	2.5 mg/m3	SAME	NO	NO	20 TO 30

CHEMICALS SUBJECT TO REPORTING UNDER SARA TITLE III:

COPPER CAS# 7440-50-8
ALUMINUM CAS# 7429-90-5

SECTION III - PHYSICAL PROPERTIES

BOILING POINT: >700F
MELTING POINT: DOES NOT APPLY.
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: 3.455, 41.4g/L

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT AND METHOD USED: > 350F, 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 V- PHYSICAL HAZARDS

STABILITY: (X) STABLE () UNSTABLE
CONDITIONS TO AVOID: TEMPERATURES EXCEEDING 550 F.
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 VI - HEALTH HAZARDS AND FIRST AID

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION
HEALTH HAZARDS: THIS PRODUCT IS NOT PARTICULARLY TOXIC. AS WITH ANY PETROLEUM BASED PRODUCT, 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

EMERGENCY FIRST AID PROCEDURES

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 OIL , DO NOT INDUCE VOMITING, BECAUSE THE OIL 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

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

SECTION VII - SPECIAL PRECAUTIONS AND SPILL PROCEDURES

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.

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 VIII - SPECIAL PROTECTION INFORMATION

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 IX - REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65:

OZONE DEPLETING SUBSTANCES: NONE

SARA TITLE III : COPPER,

CERCLA: COPPER

NFPA RATING: H-1,F-2,R-0

MARINE POLLUTANT: NONE KNOWN

RCRA: NO

DOT SHIPPING CLASS: NOT HAZARDOUS

TASCA INVENTORY : ALL INGREDIANTS LISTED

IATA: NOT HAZARDOUS

IMO: NOT HAZARDOUS

SECTION X - DISCLAIMER

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 IT'S USE.

DATE PREPARED: 8/25/04

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