



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

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

COP-GRAF™

Copper and Graphite Based

ANTI-SEIZE AND LUBRICATING COMPOUND

STOCK # ('S): 11002,11003,11010,11015,11016,11018,11025,11030,11050,11100,11500

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 Hour Emergency # : INFOTRAC @ 1-800-535-5053

SECTION II - COMPOSITION

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
COPPER , AS FUME OR DUST	7440-50-8	1mg/m3	SAME	YES	NO	20 to 35
PETROLEUM GREASE/OIL	64742-62-7	5mg/m3	SAME	NO	NO	35 to 60
GRAPHITE	7782-42-5	2.5mg/m3	SAME	NO	NO	10 to 20
SILICA, CRYSTALLINE QUARTZ	14808-60-7	0.1 mg/m3	SAME	NO	NO	< 1

SECTION III - PHYSICAL PROPERTIES

BOILING POINT: DOES NOT APPLY

MELTING POINT: DOES NOT APPLY

VAPOR PRESSURE: NO DATA

EVAPORATION RATE: DOES NOT APPLY

APPEARANCE AND ODOR: COPPER COLORED PASTE, GREASE ODOR

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 1.2

PERCENT VOLATILE: 0

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT AND METHOD USED > 350 F. , 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, HOWEVER FROTHING MAY OCCUR IF WATER IS SPRAYED DIRECTLY INTO A BURNING CONTAINER.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DENSE SMOKE MAY BE GENERATED, SPILLED CONTENTS MAY CAUSE EXTREMELY SLIPPERY FLOORS. NOXIOUS OR TOXIC FUMES MAY BE FORMED IN A FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION V- PHYSICAL HAZARDS

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID: NONE REASONABLY FORESEEN

INCOMPATABILITY: STRONG OXIDIZING DIZING AGENTS, BROMATES, CHLORATES, IODATES

HAZARDOUS DECOMPOSITION PRODUCTS: THE THERMAL DECOMPOSITION BY-PRODUCTS ARE HIGHLY DEPENDENT UPON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLIDS AND FUMES WILL BE GENERATED; SOME OF WHICH MAY BE NOXIOUS OR TOXIC GASES.

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, USE A NAIL BRUSH. APPLY A SKIN LOTION

EYES: THIS PRODUCT COULD CAUSE SOME MECHANICAL IRRITATION IF GOTTEN INTO THE EYES AND RUBBED. FLUSH EYE WITH WATER FOR A TRUE 15 MINUTES, LIFTING THE UPPER AND LOWER 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. CONSULT A PHYSICIAN OR POISON CONTROL CENTER.

INHALATION: NOT LIKELY UNDER NORMAL CONDITIONS OF USE. IF USING IN HIGH TEMPERATURE APPLICATIONS WHERE THERMAL DECOMPOSITION IS LIKELY, USE LOCAL EXHAUST TO KEEP DOWN FUMES. IF DIZZINESS 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: KEEP CONTAINER CLOSED. STORE AWAY FROM HIGH HEAT, OPEN FLAMES, STRONG OXIDIZERS. KEEP AWAY FROM CHILDREN.

OTHER PRECAUTIONS:

SPILL/ LEAKAGE PROCEDURES: BECAUSE OF THE VISCOUS NATURE OF THIS PRODUCT, SPILLS ARE UNLIKELY. SCOOP IT BACK INTO THE CONTAINER. COPPER IS LISTED AS A HAZARDOUS WATER POLLUTANT

WASTE DISPOSAL: CONSULT STATE, LOCAL, AND FEDERAL GUIDELINES. CONTAINS A PETROLEUM OIL, THE PREFERRED METHOD OF DISPOSAL IN INCINERATION. DO NOT DISCHARGE INTO SEWERS OR WATERWAYS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

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 OR USE A N.I.O.S.H. APPROVED ORGANIC VAPOR RESPIRATOR.

PROTECTIVE GLOVES: NORMALLY NOT REQUIRED. IF PROLONGED OR REPEATED SKIN CONTACT IS EXPECTED USE AN OIL RESISTANT GLOVE SUCH AS LATEX OR NEOPRENE.

EYE PROTECTION: RECOMMENDED

WORK/HYGIENIC PRACTICES : THOROUGHLY WASH WITH SOAP AND WATER , USING A NAIL BRUSH. REMOVE ALL MATERIAL.

SECTION IX - REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65: NO

OZONE DEPLETING SUBSTANCES: NONE

SARA TITLE III : COPPER

CERCLA: COPPER

RCRA: NO

DOT SHIPPING CLASS: NOT HAZARDOUS

TASCA INVENTORY : ALL INGREDIENTS LISTED

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

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 ITS USE.

DATE PREPARED: 8/25/04

COP-GRAF