



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

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# AEROSOL, COP-GRAF™

## Copper and Graphite Based ANTI-SEIZE AND LUBRICATING COMPOUND

STOCK # (S):11014

# 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 DUST OR FUME	7440-50-8	1.0mg/m3	SAME	<b>YES</b>	NO	5 TO 15
PETROLEUM OIL, AS MIST	MIXTURE	5.0mg/m3	SAME	NO	NO	5 TO 15
GRAPHITE	7782-42-5	2.5mg/m3	SAME	NO	NO	10 TO 20
PETROLEUM DISTILLATE	64741-84-0	400ppm	SAME	NO	NO	22 TO 30
BUTANE	106-97-8	1000ppm	SAME	NO	NO	10 TO 15
PROPANE	74-98-6	1000ppm	SAME	NO	NO	10 TO 15

### SECTION III - PHYSICAL PROPERTIES

<b>BOILING POINT:</b> NO DATA	<b>SOLUBILITY IN WATER :</b> NIL
<b>MELTING POINT:</b> DOES NOT APPLY	<b>REACTIVITY IN WATER:</b> NONE
<b>VAPOR PRESSURE:</b> HEAVIER THAN AIR	<b>SPECIFIC GRAVITY:</b> 1.2 ( FOR CONCENTRATE)
<b>EVAPORATION RATE:</b> SLOWER THAN ETHER	<b>PERCENT VOLATILE:</b> 66
<b>APPEARANCE AND ODOR:</b> COPPER COLORED SPRAY, WITH GREASE LIKE ODOR WHEN DRY	

### SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT AND METHOD USED:** EXTREMELY FLAMMABLE AEROSOL  
**FLAMMABLE LIMITS:** LEL NO DATA UEL: NO DATA  
**EXTINGUISHING MEDIA:** FOAM, CO2, DRY CHEMICAL  
**SPECIAL FIRE FIGHTING PROCEDURES:** . 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:** AEROSOL CONTAINERS MAY BURST, RUPTURE .OR EXPLODE, IN A FIRE, DUE TO INTERNAL PRESSURE BUILD UP. LIQUID CONTENTS ARE FLAMMABLE . USE EXTREME CAUTION.

### SECTION V- PHYSICAL HAZARDS

**STABILITY:** (X) STABLE ( ) UNSTABLE  
**CONDITIONS TO AVOID:** APPLICATION TO A HOT SURFACE. STORAGE AT TEMPERATURES ABOVE 120 F. EXPOSURE TO OPEN FLAMES.  
**INCOMPATABILITY:** CONTACT WITH STRONG OXIDIZING AGENTS.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** THE THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDANT 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 EXPECTED TO CAUSE AN ACUTE OR CHRONIC HEALTH EFFECT WHEN USED UNDER NORMAL CONDITIONS. THE SOLVENTS CONTAINED IN THE PRODUCT HAVE BEEN KNOWN TO CAUSE SKIN IRRITATION WITH PROLONGED OR

REPEATED EXPOSURE TO SKIN OR RESPIRATORY TRACT. USE WITH ADEQUATE VENTILATION OR LOCAL EXHAUST TO MAINTAIN THE AIR QUALITY.

### 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 AND PETROLEUM DISTILLATE., **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:** IT IS NOT RECOMMENDED THAT LARGE QUANTITIES OF THIS PRODUCT BE DISCHARGED AT ONE TIME BECAUSE OF THE SOLVENT PRESENT. USE A LOCAL EXHAUST TO MAINTAIN AIR QUALITY .IF DIZZINESS OCCURS SEEK FRESH AIR. SYMPTOMS ARE REVERSIBLE. OR WEAR A "N.I.O.S.H." APPROVED ORGANIC VAPOR RESPIRATOR.

### 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 HEAT, SPARKS OR OPEN FLAMES. STORE IN COOL, DRY ,WELL VENTILATED ARE

**OTHER PRECAUTIONS:** DO NOT PUNCTURE OR TAMPER WITH VALVE. DO NOT SPRAY INTO EYES. KEEP AWAY FROM CHILDREN. READ THE ADDITIONAL CAUTION ON THE CAN LABEL.

**SPILL/ LEAKAGE PROCEDURES:** AVOID BREATHING VAPORS. REMOVE ALL SOURCES OF IGNITION. USE ABSORBENT MATERIAL , SUCH AS " OIL DRY" TO CONTAIN SPILL. TRANSFER TO ANOTHER CONTAINER FOR DISPOSAL.

**WASTE DISPOSAL:** DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES. DO NOT INCINERATE UNLESS THE CONTAINER HAS BEEN EVACUATED OF ITS GASES.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** NORMALLY NOT REQUIRED UNLESS LARGE QUANTITIES ARE DISCHARGED AT ONE TIME. THEN USE A LOCAL EXHAUST OR ORGANIC VAPOR RESPIRATOR.

**PROTECTIVE GLOVES:** NORMALLY NOT REQUIRED UNLESS WOUNDS ARE PRESENT OR PROLONGED SKIN CONTACT IS EXPECTED. THEN USE A LATEX OR NEOPRENE GLOVE

**EYE PROTECTION:** SAFETY GLASSES 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: NO  
OZONE DEPLETING SUBSTANCES: NONE  
SARA TITLE III : COPPER  
U.N. NUMBER: UN 1950 CONSUMER COMMODITY  
NFPA RATING: H-1,F-4,R-0

RCRA: NO  
DOT SHIPPING CLASS: ORM-D, UN1950  
TASCA INVENTORY: ALL INGREDIANTS LISTED  
IATA: AEROSOL, FLAMMABLE CLASS 2.1 ,UN1950  
IMO: AEROSOLS, CLASS 2.1, UN 1950  
MARINE POLLUTANT: COPPER

## 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**

**COP-GRAF aro**