



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

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# METAL-FREE 2000-S™

## ANTI-SEIZE AND LUBRICATING COMPOUND

STOCK # ('S): 20005S, 20010S, 20015S, 20018S, 20025S, 20030S , 20050S

### MATERIAL SAFETY DATA SHEET

#### SECTION I - PRODUCT IDENTIFICATION

**MANUFACTURE:** ANTI-SEIZE TECHNOLOGY

2345 N. 17th. Ave.

FRANKLIN PARK, IL. 60131

**EMERGENCY TELEPHONE #:** 847-455-2300

**24 Hour Emergency # :** INFOTRAC @ 1-800535-5053

#### SECTION II - COMPOSITION

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
GRAPHITE	7440-44-0	2.5mg/m3	SAME	NO	NO	5 TO 10
CALCIUM FLUORIDE	7789-75-5	2.5 mg/m3	SAME	NO	NO	30 TO 50
MOLYBDENUM DISULFIDE	1317-33-5	10 mg/m3	SAME	NO	NO	5 TO 10
SYNTHETIC GREASE	TRADE SECRET ( NJTSRN # 1210-01 )			NO	NO	40 TO 60

#### SECTION III - PHYSICAL PROPERTIES

**BOILING POINT:** >350F

**MELTING POINT:** NO MELTING POINT

**VAPOR PRESSURE:** NO DATA

**EVAPORATION RATE:** DOES NOT APPLY

**APPEARANCE AND ODOR:** BLACK COLORED PASTE, SLIGHT ODOR

**SOLUBILITY IN WATER:** NIL

**REACTIVITY IN WATER:** NONE

**SPECIFIC GRAVITY:** 1.16

**PERCENT VOLATILE:** 0

#### SECTION IV - FIRE AND EXPLOSION DATA

**FLASH POINT AND METHOD USED:** > 425 F. C.O.C.

**FLAMMABLE LIMITS:** LEL: N/D UEL: N/D

**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:** DIRECT CONTACT WITH STRONG ACIDS

**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG CONCENTRATED MINERAL ACIDS

**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 MAY CONTAIN SMALL AMOUNTS OF QUARTZ SILICA. IT IS ADVISABLE TO WEAR A DUST RESPIRATOR IF YOU ARE CLEANING OFF DRY POWDERY RESIDUALS OFF OF A PART.

## 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. , DO NOT INDUCE VOMITING, BECAUSE PETROLEUM BYPRODUCTS 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 IN CLOSED CONTAINERS AWAY FROM INTENSE HEAT OR OPEN FLAMES.

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

**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.

**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. THIS PRODUCT CONTAINS 35% CALCIUM FLUORIDE AND MOLYBDENUM DISULFIDE WHICH IS A REGULATED WASTE IN THE STATE OF CALIFORNIA.

## 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. 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, THEN USE A 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 IX - REGULATORY INFORMATION

**CALIFORNIA PROPOSITION 65:** NO

**OZONE DEPLETING SUBSTANCES:** NONE

**SARA TITLE III** NONE

**UN CLASSIFICATION :** NOT HAZARDOUS

**NFPA FIRE PROTECTION LEVEL:** NO DATA

**RCRA:** NO

**DOT SHIPPING CLASS:** NOT HAZARDOUS

**IATA :** NOT HAZARDOUS

**PROPER SHIPPING NAME:** LUBRICATING COMPOUND

**NFP RATING:** H-2, 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 IT'S USE.

**DATE PREPARED:** 8/11/04

Metal Free 2000-S