



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

H.M.I.S.	
H -	2
F -	3
R -	0
P.P.	A

MOLY-SPRAY™

DRY FILM LUBRICANT

STOCK # ('S): 12014

MATERIAL SAFETY DATA SHEET

Section 1- Chemical Product and Company Identification

Manufacture: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131

Phone: 847-455-2300

Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053

Section 2-Composition/ Information on Ingredients

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
MOLYBDENUM DISULFIDE	1317-33-5	10mg/m3		NO	NO	1- 10
XYLENE	1330-20-7	100ppm		YES	NO	10-15
ETHYL BENZENE	100-41-4	100ppm	150ppm	YES	YES	3
ISOPROPYL ALCOHOL	67-63-0	400ppm	400ppm	YES	YES	60-70
RESIN BINDER (NOT HAZARDOUS)						0.5 - 2
PROPANE / ISOBUTANE	74-98-6	1000ppm		NO	NO	15 - 30

Section 3- Hazard Identification

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

HEALTH HAZARDS: READ THE WARNING LABELS ON THE CAN FOR ADDITIONAL INFORMATION.

THIS PRODUCT CONTAINS SOLVENTS WHICH, IF INHALED IN SUFFICIENT QUANTITIES WILL CAUSE DIZZINESS, HEADACHE, NARCOSIS. USE WITH ADEQUATE VENTILATION, LOCAL EXHAUST OR RESPIRATOR TO MINIMIZE THE EXPOSURE. THE SOLVENTS CAN CAUSE IRRITATION TO THE SKIN, EYES OR RESPIRATORY TRACT IF THE EXPOSURE IS GREAT ENOUGH. AVOID EXCESSIVE EXPOSURE. USE WITH ADAQUATE VENTILATION OR RESPIRATOR.

Section 4 – First Aid Measures

SKIN: WASH WITH SOAP AND WATER, USING A NAIL BRUSH . PAY PARTICULAR ATTENTION TO FINGER NAILS AND OPEN WOUNDS.

EYES: FLUSH EYE WITH WATER FOR 15 MINUTES, LIFTING THE EYELIDS. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

INGESTION: NOT A LIKELY ROUTE OF EXPOSURE, DO NOT INDUCE VOMITING, . USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

INHALATION: THE SOLVENTS AND/OR PROPELLANTS IN THIS PRODUCT MAY EFFECT THE RESPIRATORY TRACT OR CENTRAL NERVOUS SYSTEM. AVOID OVEREXPOSURE. DIZZINESS OR RESPIRATORY IRRITATION ARE SIGNS OF OVEREXPOSURE. SEEK FRESH AIR. OR FOLLOW OTHER STANDARD MEDICAL PRACTICES..

CHEMICAL ('S) LISTED AS CARCINOGENS OR POSSIBLE CARCINOGEN:

NPT ?: NO **I.A.R.C. ?:** YES, GROUP 3 **OSHA ?:** NO

XYLENE AND ISOPROPYL ALCOHOL ARE LISTEDS BY **IARC** AS "NOT CLASSIFIABLE AS A HUMAN CARCINOGEN"

Section 5 – Fire Fighting Measures

AEROSOL FLAMMABILITY: EXTREMELY FLAMMABLE, OSHA CLASS 1A, 13 C

FLAMMABLE LIMITS: LEL: 1.1 UEL: 12.0

EXTINGUISHING MEDIA: FOAM, CO2, SAND, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: CANS MAY RUPTURE, BURST OR EXPLODE IN A FIRE. USE EXTREME CAUTION. WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD UP. WEAR GOGGLES AND A SELF CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CANS MAY RUPTURE OR BURST, RELEASING THEIR CONTENTS. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD.

Section 6 – Accidental Release Measures

SPILL/ LEAKAGE PROCEDURES: AVOID BREATHING VAPORS. VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR DISPOSAL

Section 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL ,WELL VENTILATED AREA. DO NOT STORE ABOVE 120 F. .

OTHER PRECAUTIONS: DO NOT TAMPER WITH VALVE. DO NOT PUNCTURE, DO NOT SPAY IN EYES OR INGEST, READ THE PRODUCT LABEL FOR ADDITIONAL INFORMATION. KEEP AWAY FROM CHILDREN.

Section 8 – Exposure Controls / Personal Protection

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE A LOCAL EXHAUST TO REMOVE VAPORS, AND MAINTAIN AIR QUALITY. IF TLV'S ARE ABOVE ACCEPTABLE LIMITS USE A SELF CONTAINED BREATHING APPARATUS.

PROTECTIVE GLOVES: NORMALLY NOT REQUIRED

EYE PROTECTION: SAFETY GLASSES WITH SIDE SPLASH SHIELDS 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 and Chemical Properties

BOILING POINT: 82C

MELTING POINT: DOES NOT APPLY

VAPOR DENSITY (AIR = 1): > 1

EVAPORATION RATE (BUTYL ACETATE = 1): >1

APPEARANCE AND ODOR: GRAYISH/ BLACK SPRAY, SOLVENT ODOR

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 0.8 – 0.9

VOC CONTENT: 0.47kg/l , 3.91 lb/gal

VOC WEIGHT PERCENT: 728.5g/l 6.08 lb/gal

Section 10 – Stability and Reactivity

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID: APPLICATION TO HOT SURFACES, STORAGE ABOVE 120F. EXPOSURE TO OPEN FLAMES.

INCOMPARABILITY ,(MATERIALS TO AVOID):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 11 – Toxicological Information

SEE SECTION 2 FOR ADDITIONAL INFORMATION AND EXPOSURE LIMITS

Section 12 – Ecological Information

NO ADDITIONAL INFORMATION IS AVAILABLE. THIS PRODUCT IS NOT EXPECTED TO BIOACCUMULATE.

Section 13 – Disposal Consideration

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 14- Transport Information

HAZARD CLASS:3

I.D. NUMBER: UN 1993

LABEL: 3

ADR/RID/TDG CLASS: 3 FLAMMABLE LIQUIDS

IMDG CLASS: 3

PACKAGING GROUP: II

EMS NUMBER: F-E,S-E

MARINE POLLUTANT: NO

ICAO/IATA CLASS: 3

PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S (ISOPROPANOL, ISOPROPYL ALCOHOL)

WHMIS Classification: D2A

Hazard Class: COMBUSTIBLE, AEROSOL

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65:XYLENE

OZONE DEPLETING SUBSTANCES: NONE

SARA SECTION 313:ISOPROPYL ALCOHOL, XYLENE

CERCLA:XYLENE

IMDG CLASS: 2 , **PACKAGING GROUP:** II

RCRA: XYLENE

DOT SHIPPING CLASS: ORM-D, UN 1950

TASCA INVENTORY : ALL INGREDIENTS LISTED

N.F.P.A. RATING: H-2,F-4,R-3

ICAO/IATA CLASS: 2.1, AEROSOL, FLAMMABLE
CONSUMER COMMODITY, ORM-D

Section 16 – Other Information:

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

DATE: 10/14/2009

MOLY SPRAY, 16 PART ISO MSDS