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SPECIAL™ AEROSOL

ANTI-SEIZE AND LUBRICATING COMPOUND

STOCK # ('S):18014

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 or 352-323-3500
WEB: ANTISEIZE.COM

Section 2-Composition/ Information on Ingredients

	CAS #	OSHA PEL,	TWA	SARA III	PROP 65,	PERCENT
ALUMINUM, DUST OR FUME	7429-90-5	15mg/m ³	10MG/M ³	YES	NO	1 TO 4
COPPER, AS DUST OR FUME	7440-50-8	1.0mg/m ³	SAME	YES	NO	10 TO 20
PETROLEUM OIL, AS MIST	64742-65-0	5.0mg/m ³	10mg/m ³	NO	NO	8 TO 12
GRAPHITE	7782-42-5	2.5 mg/m ³	SAME	NO	NO	10 TO 15
HEXANE	64742-49-0	500ppm	50ppm	YES	NO	40 TO 50
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	N/E	N/E	NO	NO	10 TO 20

Section 3- Hazard Identification

EMERGENCY OVERVIEW: 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. DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. CONTENTS UNDER PRESSURE. HARMFUL OR FATAL IF SWALLOWED. MAY ENTER LUNGS AND CAUSE DAMAGE. INHALATION OF VAPORS OR MISTS OF THIS PRODUCT MAY BE IRRITATING TO THE RESPIRATORY SYSTEM. EXTREMELY FLAMMABLE AEROSOL

EFFECTS OF OVEREXPOSURE:

EYE CONTACT: MODERATELY IRRITATING TO EYES.

SKIN CONTACT: MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS (RASH)

INHALATION: PROLONGED INHALATION MAY BE HARMFUL. EXPOSURE TO HIGH DOSES MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION (ANESTHETIC LIKE EFFECT) DOSES WHICH CAUSE ANESTHETIC LIKE EFFECTS MAY ALSO CAUSE ADVERSE EFFECTS IN LIVER, LUNGS AND KIDNEYS.

INGESTION: INGESTION IS NOT CONSIDERED TO BE A HAZARD ENCOUNTERED IN NORMAL INDUSTRIAL USE. THIS MATERIAL MAY BE HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD.

CHRONIC HAZARD: OVEREXPOSURE MAY CAUSE NERVOUS SYSTEM DAMAGE. REPEATED CONTACT WITH SKIN MAY IRRITATE PRE-EXISTING SKIN CONDITIONS.

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

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: THIS PRODUCT COULD CAUSE MECHANICAL IRRITATION IF GOTTEN INTO THE EYES AND RUBBED. FLUSH EYE WITH WATER FOR 15 MINUTES, LIFTING THE EYELIDS. REMOVE CONTACT LENSES IF WEARING. 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 5 – Fire Fighting Measures

FLASH POINT AND METHOD USED: EXTREMELY FLAMMABLE AEROSOL WHEN DISCHARGED. -141 F TAG CLOSED CUP. FLASH POINT OVER 350 F. WHEN DRY.

FLAMMABLE LIMITS: LEL 1.0 UEL: 9.5 FOR THE SOLVENTS, BEFORE THEY EVAPORATE.

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: WATER FOG MAY BE USED TO COOL THE CONTAINERS. CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT OR FIRE. WEAR A "N.I.O.S.H" APPROVED ORGANIC VAPOR RESPIRATOR. USE FULL PROTECTIVE GEAR IN A FIRE SITUATION.

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE AND CAN BE DANGEROUS. DO NOT WELD, BRAZE, SOLDER, DRILL, GRIND OR ENGAGE IN OTHER ACTIVITIES WHICH EMIT SPARKS WHEN USING THIS PRODUCT. VAPORS CAN BE IGNITED. STORE AWAY FROM HEAT. HEATING THE CANS CAN RESULT IN EXPOSITION OF THE CAN. AEROSOL CONTAINERS MAY BURST, RUPTURE, OR EXPLODE, IN A FIRE, DUE TO INTERNAL PRESSURE BUILD UP. LIQUID CONTENTS ARE FLAMMABLE. USE EXTREME CAUTION

Section 6 – Accidental Release Measures

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. DO NOT FLUSH INTO SEWERS OR WATERWAYS.

Section 7 – Handling and Storage

AEROSOL LEVEL: 3

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM HEAT, SPARKS OR OPEN FLAMES. STORE IN COOL, DRY, WELL VENTILATED AREA.

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. KEEP FROM FREEZING. DO NOT SPRAY ONTO HOT SURFACES OR SPRAY INTO OPEN FLAMES.

Section 8 – Exposure Controls / Personal Protection

ENGINEERING CONTROLS: LOCAL EXHAUST VENTILATION MAY BE NECESSARY TO CONTROL AIR CONTAMINANTS TO WITHIN THEIR TLV LIMITS DURING USE OF THIS PRODUCT ESPECIALLY IF THE PRODUCT IS USED IN CONFINED SPACES.

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED UNLESS LARGE QUANTITIES ARE DISCHARGED AT ONE TIME. THEN USE A LOCAL EXHAUST OR ORGANIC VAPOR RESPIRATOR. THIS PRODUCT CONTAINS SOLVENTS WHICH EVAPORATE AFTER THE PRODUCT HAS BEEN APPLIED. VAPORS MAY ACCUMULATE AND RAISE THE TLV VALUES ABOVE RECOMMENDED LEVELS. IF VAPOR CONCENTRATIONS ARE HIGH ENOUGH THEN A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR IS REQUIRED, OR A SELF CONTAINED POSITIVE PRESSURE RESPIRATOR.

PROTECTIVE GLOVES: NORMALLY NOT REQUIRED UNLESS WOUNDS ARE PRESENT OR PROLONGED SKIN CONTACT IS EXPECTED. THEN USE VINYL, NEOPRENE OR SOLVENT RESISTANT GLOVES.

EYE PROTECTION: SAFETY GLASSES WITH SIDE SPLASH SHIELDS ARE RECOMMENDED.

WORK/HYGIENIC PRACTICES: USE GOOD STANDARD PRACTICES WHEN USING THIS MATERIAL. THOROUGHLY WASH WITH SOAP AND WATER, USING A NAIL BRUSH AFTER USING.

Section 9 – Physical and Chemical Properties

BOILING POINT: -23 TO 158F

MELTING POINT: DOES NOT APPLY

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: SLOWER THAN ETHER

VOCS: 3.93 lb/gal, 471 grams/ltr

APPEARANCE AND ODOR: SILVER/GRAY COLORED SPRAY, WITH GREASE LIKE ODOR WHEN DRY

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 0.77(FOR CONCENTRATE)

VOC CONTENT: 61.2 %

Section 10 – Stability and Reactivity

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID: APPLICATION TO A HOT SURFACE. STORAGE AT TEMPERATURES ABOVE 120 F. EXPOSURE TO OPEN FLAMES.

INCOMPATIBILITY: CONTACT WITH 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 11 – Toxicological Information

SEE SECTION 2 FOR ADDITIONAL INFORMATION AND EXPOSURE LIMITS

PRODUCT LD50: 120 ug/Kg

PRODUCT LC50: 15,000 mg/m3/mouse

COMPONENT TOXICOLOGICAL INFORMATION

HEXANE: LD50, 12,705 mg/kg/RAT, LC50 15,0000 mg/m3/MOUSE
PROPANE/ISOBUTANE/N-BUTANE: NE
HIGHLY REFINED MINERAL OIL: >5000mg/kg/RAT
COPPER: TD_{Lo} 120yl/kg/MAN

Section 12 – Ecological Information

NO ADDITIONAL INFORMATION IS AVAILABLE. .

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

TRANSPORTATION BY LAND (49CFR); CONSUMER COMMODITY, ORM-D, UN1950
TRANSPORTATION BY AIR (ICAO/IATA): UN1950, AEROSOL, EXTREMELY FLAMMABLE, 2.1, LTD QT.
TRANSPORTATION BY SHIP (IMO/IMDG): UN1950, AEROSOL, 2.1, LTD QT, FLASH POINT, -96.4C
WHMIS: CLASS: A, B5, D2A.

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: NO
OZONE DEPLETING SUBSTANCES: NONE
TSCA INVENTORY: ALL INGREDIENTS LISTED
U.N. NUMBER: UN 1950 CONSUMER COMMODITY
NFPA RATING: H-2, F-4, R-0
MARINE POLLUTANT: NO

RCRA: NO
DOT SHIPPING CLASS: ORM-D, UN1950
IATA: AEROSOL, FLAMMABLE CLASS 2.1, UN1950
IMO: AEROSOLS, CLASS 2.1, UN 1950

CERCLA-SARA HAZARD CATEGORY:

THIS PRODUCT HAS BEEN REVIEWD ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTION 311 AND 312 AND IS CONSIDERED TO MEET THE FOLLOWING CATEGORIES:
IMMEDIATE HEALTH HAZARD. CHRONIC HEALTH HAZARD, FIRE HAZARD. PRESSURIZED GAS HAZARD

SARA SECTION 313:

HEXANE, CAS 64742-49-0 40-50%
COPPER, CAS 7440-50-8, 5 -15%

TOXIC SUBSTANCE CONTROL ACT
NO INFORMATION IS AVAILABLE

STATE REGULATIONS:

NEW JERSEY: THE FOLLOWING MATERIALS ARE NON HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT. GRAPHITE, CAS # 7782-42-5

PENNSYLVAINIA RIGHT TO KNOW;

THE FOLLOWING NON-HAZARDOUS INGREDIANTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%
GRAPHITE, CAS# 7782-42-5

CALIFORNIA PROPOSITION 65:

NO PROPOSITION 65 CHEMICALS EXIST IN THIS PRODUCT

RoHS:

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS LISTED IN THE RoHS REGULATIONS

INTERNATIONSL REGULATIONS:

CANADA WHMIS: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS.

CANADIAN WHMIS CLASS: A, B5,D2A

Section 16 – Other Information:

LEGEND: N.A.- NOT APPLICABLE

N.E.- NOT ESTABLISHED
N.D.- NOT DETERMINED

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: 04/20/2012

SPECIAL, AEROSOL, 16 PART ISO MSDS