



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

H.M.I.S.	
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METAL PARTS PROTECTOR HEAVY COAT

STOCK # ('S): 17054

MATERIAL SAFETY DATA SHEET

SECTION 1 - 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 or 352-323-3500

SECTION 2 - COMPOSITION

	CAS #	PERCENT
HEXANE	110-54-3	30 - 45
ALIPHATIC MINERAL SPIRITS	8052-41-3	5 - 10
ACETONE	67-64-1	1 - 5
PROPANE	74-98-6	5 - 10
PROPRIETARY INGREDIENTS, NON HAZARDOUS		30 - 55

SECTION 3- HAZARD IDENTIFICATION

HAZARD DESCRIPTION: IRRITANT

EXTREMELY FLAMMABLE

PHYSICAL DANGERS: HAS A NARCOTIZING EFFECT.

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR IN A PRESSURIZED CONTAINER. VAPORS MAY CAUSE

FLASH FIRE.

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES

CAN BE IRRITATING TO EYES

VAPORS MAY CAUSE DROWSINESS AND OR DIZZINESS

KEEP OUT OF REACH OF CHILDREN.

EFFECTS OF SHORT

TERM OVEREXPOSURE : VAPORS CAUSE IRRITATION TO THE EYES, NOSE, THROAT, SKIN AND CENTRAL NERVOUS SYSTEM. SYMPTOMS MAY INCLUDE DIZZINESS, THROAT IRRITATION, HEADACHE, FATIGUE, SWELLING OF EYES AND NAUSEA.

EFFECTS OF CHRONIC

OVEREXPOSURE: MAY CAUSE PERMANENT BRAIN AND CENTRAL NERVOUS SYSTEM DAMAGE. REPEATED OVEREXPOSURE CAN ALSO DAMAGE KIDNEYS, LUNGS, LIVER, HEART AND BLOOD. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

NFPA RATING (SCALE 0-4): HEALTH = 1, FIRE = 4, REACTIVITY = 3

HMIS RATING (SCALE 0 -4): HEALTH =1, FIRE = 4, PHYSICAL HAZARD = 3

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 AFFECT 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.

SECTION 5 - FIRE FIGHTING MEASURES

AEROSOL FLAMMABILITY: EXTREMELY FLAMMABLE

FLAMMABLE LIMITS: LEL: 1.0 UEL: 13.0

EXTINGUISHING MEDIA: FOAM, CO₂, 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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL, WELL VENTILATED AREA. DO NOT STORE ABOVE 120 F. DO NOT SPRAY ONTO HOT SURFACES, OPEN FLAMES.

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.

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

AEROSOL FLAMMABILITY: EXTREMELY FLAMMABLE

FLAMMABLE LIMITS: LEL: 1.8 UEL: 12.0

EXTINGUISHING MEDIA: FOAM, CO₂, 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 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE

110-54-3, n-HEXANE

OSHA PEL 500ppm
(1800mg/m³)
NIOSH REL 50ppm
180mg/m³

ACGIH 50ppm
180mg/m³

8052-41-3, MINERAL SPIRITS

OSHA PEL 500 ppm
2900mg/m³

NIOSH REL 350mg/m³
1800mg/m³

ACGIH 350mg/m³
1800mg/m³

67-64-1, ACETONE

OSHA PEL 1000ppm
2400mg/m³

NIOSH 250ppm

ACGIH, TLV 500ppm
750ppm STEL

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED WHEN USED IN LIMITED QUANTITIES. . 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 PROPERTIES

BOILING POINT: -40 TO 500F
MELTING POINT: DOES NOT APPLY
VAPOR DENSITY (AIR = 1): 4.0
EVAPORATION RATE (BUTYL ACETATE = 1): 0.3
APPEARANCE AND ODOR: AMBER COLORED SPRAY, SOLVENT ODOR

SOLUBILITY IN WATER: NIL
REACTIVITY IN WATER: NONE
SPECIFIC GRAVITY: 0.7
PERCENT VOLATILE: 57

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: (X) STABLE () UNSTABLE
CONDITIONS TO AVOID: APPLICATION TO HOT SURFACES, STORAGE ABOVE 120F. AVOID EXPOSURE TO OPEN FLAMES.
INCOMPARABILITY, (MATERIALS TO AVOID): 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

HEALTH HAZARDS: READ THE WARNING LABELS ON THE CAN FOR ADDITIONAL INFORMATION.
THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE HEALTH REACTION WHEN USED UNDER NORMAL CONDITIONS. CARE SHOULD BE TAKEN TO MAINTAIN THE AIR QUALITY WHILE SPRAYING. USE WITH ADEQUATE VENTILATION, LOCAL EXHAUST OR A RESPIRATOR.

SECTION 12- ECOLOGICAL INFORMATION

NO INFORMATION

SECTION 13- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: DISPOSE OF IN A RESPONSIBLE MANNER. FOLLOW LOCAL, STATE AND FEDERAL GUIDELINES. DO NOT DISCHARGE INTO SEWERS OR WATERWAYS. REFER TO OTHER SECTIONS OF THIS MSDS FORM FOR ADDITIONAL INFORMATION. NOT CONSIDERED TO BE A HAZARDOUS WASTE.

SECTION 14- TRANSPORTATION INFORMATION

SHIPMENT BY LAND: CONSUMER COMMODITY, ORM-D

SHIPMENT BY WATER: AEROSOL, 2, UN 1950, LTD QTY

SHIPMENT BY AIR: AEROSOLS, FLAMMABLE, 2.1, UN 1950, LTD QT.
PACKAGING INSTRUCTION Y203 APPLIES TO THESE SHIPMENTS

Canadian WHMIS Classification: NOT REGULATED
Hazard Class: FLAMMABLE, AEROSOL

Shipping Name: FOOD MACHINERY GREASE, AEROSOL
Label: FLAMMABLE, AEROSOL
Canadian WHMIS Classification: NOT REGULATED
Hazard Class: FLAMMABLE, AEROSOL

SECTION 15- REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65: NO
OZONE DEPLETING SUBSTANCES: NO
SARA TITLE III: NO
CERCLA: NO
UN NUMBER: UN 1950

RCRA: NO
DOT SHIPPING CLASS: ORM D 1950
TASCA INVENTORY: ALL INGREDIENTS LISTED

SECTION 16 - OTHER

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: 1/20/2009

METAL PARTS PROTECTOR ,16 PART ISO MSDS