



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

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

COOL - CUT™

CUTTING TOOL COOLANT

STOCK # ('S): 17050

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

Section 2-Composition/ Information on Ingredients

	CAS #	OSHA PEL,	TLV	SARA III	PROP 65,	PERCENT
PERCHLOROETHYLENE	127-18-4	25ppm	50ppm	YES	YES	80 - 90
CARBON DIOXIDE	124-38-9	5000ppm		NO	NO	10 - 15

ALL MATERIALS ARE LISTED ON TASCA REGISTER.

Section 3- Hazard Identification

ROUTES OF ENTRY: X SKIN EYES INHALATION INGESTION

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

THE SOLVENT CONTAINED IN THIS PRODUCT IS PRIMARILY A CENTRAL NERVOUS SYSTEM DEPRESSANT. INHALATION CAN CAUSE DIZZINESS, LIGHTEADEDNESS, HEADACHE, EQUILIBRIUM, UNCONSCIOUSNESS OR EVEN DEATH IF IN CONFINED OR POORLY VENTILATED AREAS. DEPRESSION OF THE CIRCULATORY SYSTEM HAS BEEN REPORTED AS A RESULT OF OVEREXPOSURE TO HALOGENATED HYDROCARBONS. THE HEART MAY BE SENSITIZED AND VENTRICULAR ARRHYTHMIA MAY BE INDUCED BY EPINEPHRINE ADMINISTRATION.

LIQUID SPLASHED IN THE EYES CAN RESULT IN DISCOMFORT, PAIN OR IRRITATION. PROLONGED OR REPEATED CONTACT WITH LIQUID ON THE SKIN CAN CAUSE IRRITATION AND DERMATITIS. DO NOT ALLOW CLOTHING OR SHOES TO BECOME SATURATED.

CHRONIC EXPOSURE ABOVE THE PERMISSIBLE EXPOSURE LIMITS MAY RESULT IN LIVER AND KIDNEY DAMAGE.

PERCHLOROETHYLENE, LISTED BY NTP AN IARC AS AN ANIMAL CARCINOGEN AND BY OSHA AS A POTENTIAL HUMAN CARCINOGEN, PRODUCED LIVER TUMORS AND LEUKEMIA IN RATS AND LUNG TUMORS IN MICE. HUMAN EPIDEMIOLOGICAL EVIDENCE IS CONFLICTING AND INCONCLUSIVE.

PROLONGED OVEREXPOSURE TO SOLVENT INGREDIENTS IN SECTION 2 MAY CAUSE ADVERSE EFFECTS TO THE LIVER, URINARY AND BLOOD FORMING SYSTEMS OF THE BODY.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Section 4 – First Aid Measures

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

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 IMMEDIATELY.

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.

CHEMICAL ('S) LISTED AS CARCINOGENS: PERCHLOROETHYLENE
NPT? 2 I.A.R.C. ? : 2a OSHA? : YES

Section 5 – Fire Fighting Measures

AEROSOL FLAMMABILITY: NON-FLAMMABLE, PER FLAME EXTENSION TESTS

FLAMMABLE LIMITS: LEL: NOT FLAMMABLE UEL: NOT FLAMMABLE-

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

SPILL/ LEAKAGE PROCEDURES: AVOID BREATHING VAPORS. VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION. WEAR PROPER RESPIRATORY FILTERS OR SELF CONTAINED BREATHING APPARATUS. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR PROPER DISPOSAL. DO NOT ALLOW THIS MATERIAL TO ENTER SEWER OR WATER SYSTEMS. DO NOT FLUSH DOWN DRAINS.

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 IF USED IN SMALL QUANTITIES AND WITH GOOD VENTILATION. 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 NIOSH APPROVED ORGANIC VAPOR RESPIRATOR OR SELF CONTAINED BREATHING APPARATUS.

PROTECTIVE GLOVES: NORMALLY NOT REQUIRED. IF PROLONGED OR REPEATED EXPOSURE IS EXPECTED, USE SOLVENT RESISTANT NEOPRENE GLOVES

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: <0 – 252F

MELTING POINT: DOES NOT APPLY

VAPOR DENSITY (air= 1) : >1

EVAPORATION RATE (ether = 1) : <1

APPEARANCE AND ODOR: CLEAR COLORED LIQUID, SOLVENT ODOR

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 1.52

PERCENT VOLATILE: 100

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): AVOID CAUSTIC SODA, CAUSTIC POTASH, AS SHOCK SENSITIVE EXPLOSIVES MAY BE FORMED. STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: COULD INCLUDE HYDROGEN CHLORIDE GAS. 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 AND SECTION 3 FOR ADDITIONAL INFORMATION AND EXPOSURE LIMITS

Section 12 – Ecological Information

NO ADDITIONAL INFORMATION IS AVAILABLE. PERCHLOROETHYLENE CAN CONTAMINATE GROUND WATER SOURCES AND CAN 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. THIS MATERIAL IS CONSIDERED A HAZARDOUS WASTE BY EPA RCRA.

Section 14- Transport 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

WHMIS Classification: CONTROLLED PRODUCT
Hazard Class: POSSIBLE CARCINOGEN, SEE SECTION 15

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: YES	RCRA: YES
OZONE DEPLETING SUBSTANCES: NO	DOT SHIPPING CLASS: ORM D 1950
SARA TITLE III: YES	TASCA INVENTORY: ALL INGREDIENTS LISTED
CERCLA: YES	N.F.P.A. RATING: H-2, F-4, R-0
UNNUMBER: UN 1950	
WHMIS: D1 B, D2A, D2B, CONTROLLED PRODUCT.	

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: 1/22/2009

COOL CUT 16 PART ISO MSDS