



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

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

NATURAL CITRUS DEGREASER BULK

STOCK # ('S): 53070, 53071, 53075, 53077

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
POLY (OXYETHYLENE) NONYLPHENOL	9016-45-9	N/E	N/E	NO	NO	1 - 5
ETHOXYLATED OCTYL PHENOL	9036-19-5	N/E	N/E	NO	NO	1 - 10
d-LIMONENE	5989-27-5	N/E	N/E	NO	NO	85-95

Section 3- Hazard Identification

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

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

THE SOLVENT IN THIS PRODUCT MAY CAUSE SKIN OR RESPIRATORY IRRITATION IF THE EXPOSURE IS HIGH ENOUGH. USE WITH ADEQUATE VENTILATION TO MAINTAIN THE AIR QUALITY, OR USE A LOCAL EXHAUST. IF PROLONGED OR REPEATED SKIN CONTACT IS EXPECTED USE RUBBER GLOVES TO MINIMIZE EXPOSURE.

EYE CONTACT: MODERATE TO SEVERE IRRITATION, REDNESS AND POSSIBLE TEARING.

SKIN CONTACT: IRRITATION, CHAPPING AND DERMATITIS WITH PROLONGED OR REPEATED EXPOSURE. THIS PRODUCT CONTAINS A POSSIBLE SKIN SENSITIZER.

INGESTION: NAUSEA, CRAMPS, DIARRHEA. SMALL AMOUNTS OF THIS PRODUCT ASPIRATED INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE LUNG INJURY OR POSSIBLY DEATH.

CHEMICAL ('S) LISTED AS CARCINOGENS

NPT? NO I.A.R.C. ? : NO OSHA? : NO

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: DO NOT INDUCE VOMITING. USE A GASTRIC LAVAGE, AND CALL A POISON CONTROL CENTER OR A PHYSICIAN.

INHALATION: THE SOLVENTS 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

FLASH POINT, METHOD: 122 F., Closed Cup

FLAMMABLE LIMITS: LEL: 0.7 UEL : 6.1

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: CONTAINER 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. DIKE THE AREA TO PREVENT THIS MATERIAL FROM ENTERING SEWERS OR WATERWAYS. VENTILATE AREA AND REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN A CLOSE CONTAINER FOR DISPOSAL.
AVOID SOAKING UP THE SPILL WITH COTTON RAGS. COTTON RAGS SATURATED WITH THIS MATERIAL HAVE BEEN KNOWN TO SPONTANEOUSLY COMBUST AFTER DISPOSAL.

Section 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL, WELL VENTILATED AREA AWAY FROM IGNITION SOURCES. DO NOT STORE ABOVE 120 F.
OTHER PRECAUTIONS: 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: Not Established	SOLUBILITY IN WATER: EMULSIFIES
MELTING POINT: DOES NOT APPLY	REACTIVITY IN WATER: NONE
VAPOR DENSITY (AIR = 1): NOT ESTABLISHED	SPECIFIC GRAVITY: 0.84
EVAPORATION RATE (BUTYL ACETATE = 1): > 1	PERCENT VOLATILE: 90%
APPEARANCE AND ODOR: CLEAR SPRAY, CITRUS LIKE ODOR.	

Section 10 – Stability and Reactivity

STABILITY: (X) STABLE () UNSTABLE
CONDITIONS TO AVOID: APPLICATION TO HOT SURFACES, STORAGE ABOVE 120F. AVOID EXPOSURE TO OPEN FLAMES. **THERE HAVE BEEN REPORTS OF RAGS SOAKED WITH THIS PRODUCT HAVE THE POTENTIAL TO SPONTANEOUSLY COMBUST UNDER CERTAIN CONDITIONS. ALLOW RAGS TO AIR DRY OR DISPOSE OF IN A FIRE PROOF CONTAINER.**

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

TARGET ORGANS: EYES AND SKIN
ACUTE TOXICITY: ORAL RAT, LD50 > 5000mg/kg
ENVIRONMENTAL FATE: NOT DETERMINED
BIOACCUMULATION POTENTIAL: NOT DETERMINED, AND NOT EXPECTED

Section 12 – Ecological Information

BIODEGRADEABILITY: BIODEGRADABLE
AQUATIC TOXICITY: MARINE POLLUTANT. THIS SUBSTANCE IS NOT MISCIBLE WITH WATER. THIS SUBSTANCE IS KNOWN TO EVAPORATE QUICKLY AND BIODEGRADE AND SHOULD NOT CAUSE LONG TERM EFFECTS.
ENVIRONMENTAL FATE: NOT DETERMINED
BIOACCUMULATION: NOT THOUGHT TO ACCUMULATE

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. REFER TO OTHER SECTIONS OF THIS MSDS FORM FOR ADDITIONAL INFORMATION. RAGS WHICH ARE SOAKED WITH THIS MATERIAL SHOULD BE DISPOSED OF INTO A FIREPROOF RECEPTACLE. INCINERATION IS THE PREFERRED METHOD OF DISPOSAL.

Section 14- Transport Information

TRANSPORTATION BY LAND (49CFR): TERPENE HYDROCARBON, N.O.S. (d-LIMONENE), 3, UN2319, PG III CHEMICALS, and N.O.I. (NOT REGULATED)

TRANSPORTATION BY AIR (ICAO/ IATA): TERPENE HYDROCARBONS, N.O.S. (d-LIMONENE), 3, UN2319, PG III

TRANSPORTATION BY SHIP (IMO/ IMDG): DIPENTENE, 3.333, UN2052, PG III, MARINE POLLUTANT

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: NO
OZONE DEPLETING SUBSTANCES: NONE
SARA TITLE III: NO
CERCLA: YES, d-LIMONENE
DSL (CANADA): LISTED

RCRA: FLAMMABLE CHARACTERISTICS
DOT SHIPPING CLASS: NOT HAZARDOUS
TASCA INVENTORY: ALL INGREDIENTS LISTED
N.F.P.A. RATING: H-0, F-2, R-0

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

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