



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

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

HEAVY DUTY™

LIQUID CLEANER/DEGREASER CONCENTRATE

STOCK # ('S): 52501, 52505, 52555

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
2-BUTOXY ETHANOL	111-76-2	50ppm	25ppm	NO	NO	11
POTASSIUM HYDROXIDE	1310-58-3	2mg/m3		NO	NO	<5
SURFACTANTS						
BUILDERS						

Section 3- Hazard Identification

ROUTES OF ENTRY: SKIN EYES INHALATION INGESTION

HEALTH HAZARDS: THIS PRODUCT IS A CONCENTRATED DETERGENT. SKIN OR RESPIRATORY IRRITATION CAN OCCUR, DEPENDING UPON THE DILUTION BEING USED. IT MAY CAUSE SKIN IRRITATION, SKIN WRINKLING AND IN SEVERE CASES, PROLONGED SKIN CONTACT MAY EVEN RESULT IN A CHEMICAL BURN OR DEFATTING OF THE SKIN. THE EFFECTS ARE REVERSIBLE. THIS PRODUCT CAN ALSO IRRITATE THE EYES AND RESPIRATORY TRACT ESPECIALLY IF THE PRODUCT IS BEING SPRAYED. IT SHOULD BE USED WITH ADEQUATE VENTILATION TO MAINTAIN THE AIR QUALITY. SEE SECTION VIII FOR ADDITIONAL INFORMATION.

Section 4 – First Aid Measures

SKIN: AVOID PROLONGED SKIN CONTACT. REMOVE CONTAMINATED CLOTHING. RINSE WITH LARGE AMOUNTS OF FRESH WATER UNTIL THE "SLIPPERY" FEELING IS GONE. THIS MAY REQUIRE 10 MINUTES OF RINSING. APPLY A MOISTURIZING LOTION IF SKIN IS DRY.

EYES: MAY CAUSE EYE IRRITATION EITHER IN LIQUID OR VAPOR FORM. IMMEDIATELY RINSE WITH WATER FOR 15 MINUTES LIFTING THE EYELID. REMOVE CONTACT LENSES.

INGESTION: IF INGESTED THIS PRODUCT IS NOT EXPECTED TO CAUSE AN ACUTE REACTION. DO NOT INDUCE VOMITING. DILUTE WITH WATER OR MILK, CALL A POISON CONTROL CENTER OR A PHYSICIAN.

INHALATION: NOT LIKELY UNDER NORMAL CONDITIONS OF USE. IF RESPIRATORY IRRITATION OCCURS VENTILATE THE AREA AND SEEK FRESH AIR

CHEMICAL ('S) LISTED AS CARCINOGENS

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

Section 5 – Fire Fighting Measures

FLASH POINT AND METHOD USED: NO FLASH POINT, C.O.C.

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: THIS COMPOUND WILL NOT BURN. CONTAINERS SUBJECT TO FIRE CONDITIONS MAY RUPTURE OR BURST SPEWING ITS CONTENTS. FLOORS WILL BECOME EXTREMELY SLIPPERY MAKING WALKING DANGEROUS. WATER FOG MAY BE USED TO COOL THE CONTAINERS. WEAR A "N.I.O.S.H" APPROVED ORGANIC VAPOR RESPIRATOR.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NOXIOUS OR TOXIC FUMES MAY BE GENERATED IN A FIRE. FIRE FIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS.

Section 6 – Accidental Release Measures

SPILL/ LEAKAGE PROCEDURES: LARGE SPILL SHOULD BE DIKED AND CONTAINED. USE ABSORBENT MATERIAL SUCH AS "OIL DRY", VACUUM OR SQUEEGEE TO GATHER LIQUID. TRANSFER MATERIAL TO ANOTHER CONTAINER AND LABEL.

Section 7 – Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP CONTAINER TIGHTLY SEALED AND UPRIGHT WHEN NOT IN USE. STORE AWAY FROM STRONG OXIDIZING AGENT OR ACIDS.

OTHER PRECAUTIONS: DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP AWAY FROM CHILDREN. POST SIGNS IN THE AREA OF USE, SUCH AS "WET FLOORS". USE CAUTION WHEN WALKING AS FLOORS ARE EXTREMELY SLIPPERY.

Section 8 – Exposure Controls / Personal Protection

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED. IF BEING USED IN LARGE QUANTITIES, USE LOCAL VENTILATION TO MAINTAIN THE AIR QUALITY. IF BEING SPRAYED, OR IF AN EMPLOYEE EXPERIENCES RESPIRATORY IRRITATION, USE A "N.I.O.S.H" APPROVED ORGANIC VAPOR RESPIRATOR. .

PROTECTIVE GLOVES: LATEX OR RUBBER GLOVES ARE HIGHLY RECOMMENDED IF SKIN EXPOSURE IS EXPECTED. THEY SHOULD BE MANDATORY IF BEING USED IN ITS CONCENTRATED FORM, AS SKIN WRINKLING OR SKIN REDNESS CAN OCCUR WITHIN A SHORT EXPOSURE PERIOD.

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. IF THIS PRODUCT IS BEING SPRAYED, WEAR A RAIN SUIT IN ADDITION TO THE ORGANIC VAPOR RESPIRATOR.

Section 9 – Physical and Chemical Properties

BOILING POINT: 190 F

pH OF 10 % SOLUTION: 12.5

VAPOR PRESSURE: NO DATA

EVAPORATION RATE: NO DATA

APPEARANCE AND ODOR: GREEN LIQUID, CHARACTERISTIC ODOR

SOLUBILITY IN WATER: COMPLETE

REACTIVITY IN WATER: NONE

SPECIFIC GRAVITY: 1.04

PERCENT VOLATILE: 96

Section 10 – Stability and Reactivity

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID:

INCOMPARABILITY, (MATERIALS TO AVOID): STRONG OXIDIZERS AND ACIDS.

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

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

TRANSPORTATION BY LAND (49CFR); NOT REGULATED

TRANSPORTATION BY AIR (ICAO/IATA): NOT REGULATED

TRANSPORTATION BY SHIP (IMO/IMDG): NOT REGULATED

WHMIS: NOT REGULATED.

Section 15 – Regulatory Information

CALIFORNIA PROPOSITION 65: NO

OZONE DEPLETING SUBSTANCES: NONE

SARA TITLE III: NO

CERCLA: NO

RCRA: NO

DOT SHIPPING CLASS: NOT HAZARDOUS

TASCA INVENTORY: ALL INGREDIENTS LISTED

N.F.P.A. RATING: H-1, F-0, 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: 1/23/2009

HEAVY DUTY, 16 PART ISO MSDS