



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

H.M.I.S.	
H -	2
F -	4
R -	1
P.P.	

CLEAR COAT™

Acrylic Coating

STOCK # ('S): 17042

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

MANUFACTURED FOR: 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
PROPANE	74-98-6	10-15
n-BUTANE	106-97-8	10-15
ACETONE	67-64-1	20 - 30
TOLUENE	108-88-3	10 - 20
METHYL ETHYL KETONE	78-93-3	10 - 20
NON-HAZARDOUS	PROPRIETARY	10- 20

SECTION 3 – HAZARDOUS IDENTIFICATION

HAZARD DESCRIPTION: IRRITANT
EXTREMELY FLAMMABLE

PHYSICAL DANGERS: HAS A NARCOTIZING EFFECT. THE SOLVENTS CONTAINED IN THIS PRODUCT CAN BE IRRITATING TO THE EYES AND THROAT.

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

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 = 0

HMIS RATING (SCALE 0 -4): HEALTH =2, FIRE = 4, PHYSICAL HAZARD = 1

SECTION 4- FIRST AID

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 AND EXPLOSION DATA

AEROSOL FLAMMABILITY: EXTREMELY FLAMMABLE

FLASH POINT: -40 DEG. F. **METHOD USED:** T.C.C.

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 6 – ACCIDENTAL RELEASE MEASURES

SPILL/ LEAKAGE PROCEDURES: IF THE CAN RUPTURES, CONTAIN THE MATERIAL USING ABSORBENT PADS. 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

FIRE AND EXPLOSION PROTECTION: DO NOT SPRAY ON AN OPEN FLAME OR ANY INCANDESCENT MATERIAL.

DO NOT SMOKE. PROTECT FROM ELECTROSTATIC DISCHARGE, UNTIL MATERIAL IS DRY.

STORAGE REQUIREMENTS:

OBSERVE PRESSURIZED CONTAINER STORAGE REGULATIONS. CONSULT WITH

YOUR LOCAL AUTHORITIES. KEEP AWAY FROM SOURCES OF HEAT AND DIRECT SUNLIGHT. DO NOT WAREHOUSE IN SUBFREEZING CONDITIONS.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE

74-98-6, PROPANE	PEL: 1800mg/m3, 1000 ppm REL: 1800mg/m3, 1000 ppm TLV: 4508mg/m3, 2500 ppm
106-97-8, n-BUTANE	REL: 1900 mg/m3, 800 ppm TLV: 1900 mg/m3, 800 ppm
110-19-0, ISOBUTYL ACETATE	PEL: 710mg/m3, 150 ppm REL: SHORT TERM VALUE: 950mg/m3, 200 ppm LONG TERM VALUE: 710mg/m3, 150 ppm TLV: SHORT TERM VALUE: 950mg/m3, 200 ppm LONG TERM VALUE: 710mg/m3, 150 ppm
67-64-1, ACETONE	PEL: 2400mg/m3 1000ppm REL: 590mg/m3 250ppm TLV: STV, 1782mg/m3 750ppm LTV, 1188mg/m3 500ppm
108-88-3, TOLUOL	PEL: STV 500ppm LTV 200ppm REL: STV 150ppm LTV 100ppm TLV: 50ppm
1330-20-7, XYLENE	PEL 435mg/m3 100ppm REL 655mg/m3 150ppm TLV 615mg/m3 150ppm
111-76-2, GLYCOL ETHER EB	PEL 240mg/m3 50ppm REL 24mg/m3 5ppm, SKIN TLV 97mg/m3 20ppm

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

THIS PRODUCT CONTAINS RELATIVELY LARGE AMOUNTS OF SOLVENTS. THESE SOLVENTS HAVE BEEN SHOWN TO AFFECT THE

CENTRAL NERVOUS SYSTEM, AS WELL AS LUNG, KIDNEY AND LIVER, IF THE EXPOSURE IS HIGH ENOUGH. SYMPTOMS COULD INCLUDE DIZZINESS, HEADACHE, AND NARCOSIS. BASED ON REPORTED DATA THIS PRODUCT IS NOT EXPECTED TO CAUSE ADVERSE HEALTH EFFECTS UNDER NORMAL CONDITIONS OF USE. HOWEVER, CARE SHOULD BE TAKEN TO MAINTAIN THE AIR QUALITY EITHER THROUGH LOCAL EXHAUST OR VENTILATION
OVEREXPOSURE MAY CAUSE CARDIAC ABNORMALITIES. METHYL ETHYL KETONE MAY CAUSE EMBRYOTOXIC EFFECTS IN LABORATORY ANIMALS. OVEREXPOSURE TO TOLUENE MAY CAUSE NASAL AND BRAIN DAMAGE.

RESPIRATORY PROTECTION: NORMALLY NOT REQUIRED UNLESS USING IN A CONFINED AREA OR IF SPRAYING MORE THAN 1/3 OF A CAN AT ONE TIME. . 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

SECTION 9- PHYSICAL PROPERTIES

BOILING POINT: -40 TO 279 F.

MELTING POINT: DOES NOT APPLY

VAPOR DENSITY (AIR = 1): 4.0

EVAPORATION RATE (BUTYL ACETATE = 1) : >1

APPEARANCE AND ODOR: CLEAR COLORED SPRAY, SOLVENT ODOR

SOLUBILITY IN WATER: NIL

REACTIVITY IN WATER: NO

SPECIFIC GRAVITY: 0.8

PERCENT VOLATILE: 88

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.

SECTION 11- TOXICOLOGICAL INFORMATION

THE PRODUCT CAN BE HARMFUL AND AN IRRITANT TO EYES, AND RESPIRATORY TRACT.

SECTION 12 – ECOLOGICAL INFORMATION

TOLUENE

LC?LC50 VALUES

ORAL LB50 5000mg/m3 (RAT)

DERMAL LD50 12124mg/kg (RABBIT)

INHALATIVE LD50/4HR 5320mg/l (MUS)

SECTION 13 – DISPOSAL CONSIDERATIONS

DO NOT DISPOSE OF WITH HOUSEHOLD GARBAGE, SEPARATE AND DISPOSE OF AS INDUSTRIAL WASTE

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.

SECTION 14 – TRANSPARATION 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

SECTION 15 – REGULATIONS;

SARA 355 (EXTREMELY HAZARDOUS CHEMICALS)

NONE

SARA 313

108-88-3 TOLUENE

1330-20-7 XYLENE

100-41-4 ETHYL BENZENE (A MINOR COMPONENT OF XYLENE)

TSCA: ALL INGREDIENTS ARE LISTED

PROPOSITION 65

108-88-3 TOLUENE

IARC

108-88-3 TOLUENE

1330-20-7 XYLENE (MIX)

100-42-5 STYRENE

CARCINOGENS:

NONE 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

CLEAR COAT 16 PART ISO MSDS