MATERIAL SAFETY DATA SHEET - 5700 / Acrylic Lacquer Thinner

SECTION 1 - CHEMICAL, PRODUCT, AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY:	**5700 / Acrylic Lacquer Thinner - Economy Grade**
REVISION DATE:	04/01/99
CUSTOMER PART #/NAME:	
PRODUCT TRADE NAME:	BBLEND #9511 CP-10
CHEMICAL FAMILY:	
EMERGENCY MEDICAL/SPILL INFO:	(800) 800-424-9300 CHEM TREC (502) 358-0261
TECHNICAL INFORMATION:	
PRODUCT SAFETY/MSDS INFORMATION:	P.O. Box 16038 LOUISVILLE, KY 40256-0038
DATE OF MSDS PREPARATION:	04/26/99

HAZARD RATINGS:
HEALTH (NFPA): 2
HEALTH (HMIS): 2
FLAMMABILITY: 3
REACTIVITY: 0

PRIMARY HAZARD WARNING

Flammable. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, and other sources of ignition during use and until all vapors/odors are gone. Harmful if swallowed. May cause moderate skin irritation. Causes severe eye irritation. May be absorbed through the skin. Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat.

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

All components of this product are on the TSCA list. SARA Title III Section 313 Supplier Notification. This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	WT. % (REG. SECTION)	RQ (LBS)
Toluene	108-88-3	50 (311,312,313,RCRA)	1000
Methanol	67-56-1	19 (311,312,313,RCRA)	5000
Light Aliphatic Solvent Naphtha	*64742-89-8	Not Appl. (311,312)	None
Acetone	67-64-1	Not Appl. (311,312)	5000

SARA SECTION 311/312 Hazards: Acute Health Fire				
Material	**CAS#**	**TWA (OSHA)**	**TLV (ACGIH)**	**HAP**
Toluene	108-88-3	200 ppm	50 ppm	YES
Methanol	67-56-1	200 ppm (S)	200 ppm (S)	YES
Light Aliphatic Solvent Naphtha	*64742-89-8	500 ppm	300 ppm	NO
Acetone	67-64-1	1000 ppm	750 ppm	NO

In addition to EPA Hazardous Air Pollutants showing 'YES' under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%):

BENZENE, MIXED XYLENES, ETHYLBENZENE			
Material	**CAS #**	**Ceiling**	**STEL (OSHA/ACGIH)**
Methanol	67-56-1	None Known	250 ppm
Acetone	67-64-1	None Known	1000 ppm

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the State of California to cause cancer and reproductive toxicity: Benzene, Toluene

DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG-II

SECTION 3 - HAZARDS IDENTIFICATION

MATERIAL	**CAS #**	**LOWEST KNOW LETHAL DOSE DATA**
Methanol	67-56-1	1000.0 mg/kg (MAN) Lowest Known LC50 (VAPORS)
Toluene	108-88-3	5300 ppm (Mice) Lowest Known LD50 (SKIN)
Toluene	108-88-3	4000.0 mg/kg (Rabbits)

THRESHOLD LIMIT VALUE: 100 ppm (Evaporated Blend)
CONTAINS: Toluene, Methanol, Light Aliphatic solvent naphtha, acetone

DANGER! EXTREMELY FLAMMABLE! VAPORS CAN CAUSE FLASH FIRE! POISON!
ACUTE HAZARDS
EYE & SKIN CONTACT: Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye irritation. Wash thoroughly after handling.
INHALATION: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Repeated exposure over TLV can cause blindness.
SWALLOWING: Can be fatal or cause blindness if swallowed. Cannot be made non-poisonous. Poison I can cause irreversible nervous system damage and death. Harmful or fatal if swallowed. Swallowing can cause abdominal irritation,

nausea, vomiting and diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED: Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Persons with severe skin, liver or kidney problems should a void use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE AND OTHER CHRONIC HAZARDS: This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%. This product may contain less than 1 ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin may be harmful. studies with laboratory animals indicate this product can cause damage to fetus.

SECTION 4 - FIRST AID MEASURE PROCEDURES

EYE CONTACT: In case of eye contact, remove contact lenses and flush eyes immediately with a gentle stream of warm water for at least 15 minutes.

SKIN CONTACT: In case of skin contact, flush immediately with plenty of water for at least 15 minutes followed by washing with soap and water.

INHALATION: If affected by inhalation of vapor or spray mist, remove to fresh air. Apply artificial respiration and other support measures as required. OTHER: If ingestion, any type of overexposure or symptoms of overexposure occur during or following the use of this product, contact a poison control center, emergency room or physician immediately; have Material Safety Data Sheet information available.

SWALLOWING: Induce vomiting promptly using physician's instructions or by having patient stick finger down throat. After vomiting has been induced, give two teaspoons of baking soda in a glass of water. CALL A PHYSICIAN. Never give anything by mouth to an unconscious person. Have patient lie down and keep warm. Cover eyes to exclude light.

SECTION 5 - FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE: 290 C / 555 F (lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (percent by volume): 2.7

FLASHPOINT: -16 C / 2 F (TCC) (Lowest Component)

FLAMMABILITY CLASSIFICATION: Class I B

EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical, or universal aqueous film forming foam) designed to extinguish NFPA Class IC flammable liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable. Do not enter confined space without full bunker gear. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: EXTREMELY FLAMMABLE! VAPORS CAN CAUSE FLASH FIRE. Keep container tightly closed. Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCURES: - Stop spill at source. Dike area and contain. Clean up remainder with absorbent materials. Mop up and dispose of. Persons without proper protection should be kept from area until cleaned up.

WASTE DISPOSAL METHOD: - Recycle or dispose of observing local, state and federal health, safety and pollution laws. If questions exist, contact the appropriate agencies.

OTHER PRECAUTIONS: - Vapors may ignite explosively and spread long distances. Prevent vapor buildup. Put out pilot lights and turn off heaters, electric equipment and other ignition sources during use and until all vapors are gone.

SECTION 7 - HANDLING AND STORAGE

HANDLING - Isolate from oxidizers, heat, sparks, electric equipment and open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin and eyes. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions.
STORAGE - Vapors may ignite explosively and spread long distances. Prevent vapor buildup. Put out pilot lights and turn off heaters, electric equipment and other ignition sources during use and until all vapors are gone. Do not store above 49 C /120 F. Store large amounts in structures made for OSHA Class I B liquids. Keep container tightly closed and upright when not in use to prevent leakage.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: - Ventilate to keep vapors of this material below 50 ppm. If over TLV, in accordance with 229 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.
VENTILATION:
Local Exhaust: Necessary
Mechanical (general): Acceptable
Special: None
Other: None
PERSONAL PROTECTIONS: - Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid, Water-White
ODOR: Ketone
BOILING RANGE: 56 93 122 C / 133 201 252 F
GRAVITY @ 60 F
API: 41.1
Specific Gravity (Water=1): .820
Pounds/Gallon: 6.830
VOC's (>0.44 lbs/sq in): 100.0 Vol. % / 819.9 g/l / 6.829 lbs/gal
TOTAL VOC's (TVOC): 100.0 Vol. % / 819.9 g/l / 6.829 lbs/gal
NONEXEMPT VOC's (CVOV): 85.0 Vol. % / 701.1 g/l / 5.840 lbs/gal
VAPOR PRESSURE (mm of Hg)@20 C: 78
NONEXEMPT VOC PARTIAL PRESSURE (mm of HG @ 20 C): 49.0
VAPOR DENSITY (air=1): 2.2
WATER ABSORPTION: Appreciable
SOLVENCY PARAMETERS:
HKB (Hydrogen Bonding): 26.9
PKB (Polarity): 37.1
DKB (Dispersion): 35.9
REFRACTIVE INDEX: 1.427
MIXED ANILINE POINT (Acid Insol): 22 C / 72 F

SECTION 10 - STABILITY

STABILITY - Stable
CONDITIONS TO AVOID - Isolate from oxidizers, heat, sparks, electric equipment and open flames.
MATERIALS TO AVOID - Isolate from strong oxidizers such as permanganates, chromates and peroxides.
HAZARDOUS DECOMPOSITION PRODUCTS - Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION - Will not occur.

NOTICE - The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representation as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with other material or process.