TECH DATA SHEET
1K SEALER

1k Sealer is an excellent quality, low build primer/sealer. It is fast drying can create a uniform surface without a lot of film build. Providing excellent adhesion to fully cured painted surfaces, treated and primed steel, properly prepared aluminum and fiberglass. It may be topcoated with a variety of topcoats such as basecoat, lacquer or enamel

Surface Preparation: Solvent wash surface with a good grade wax and grease remover and wipe dry with a clean cloth. Sand original paint and repair damaged areas with a good quality non-staining body filler. For spot repairs, scuff sand area where sealer will be applied. For overall refinishing, scuff sand the entire vehicle with 320 grit sandpaper or fine scuff pad, One to two single wet coats to achieve the uniform color desired.

Mixing Directions:

1 part sealer - Ready to spray

Application:

Adjust air pressure at the gun to 30-45 psi for siphon feed guns. Use less pressure to minimize over spray on small jobs. Apply 1-2 medium wet coats at a gun distance of 8-12 inches as needed. Allow 5 to 15 minute flass time between coats. Recoat times will vary with temperature, air movement, and film thickness. Insufficient flash time will promote slow hardness developement of the topcoat system. Allow final coat to dry 30 minutes to 1 hour before topcoat.

Drying Schedule

Dry times are based on recommended film thickness and are dependent on ambient temperature. Excessive film thicknesses, low temperature and poor air movement will retard dry times.

Technical Data

Weight Solids: 36% Mixing Ratio 1

Volume Solids: 24% Viscosity @ Gun 16-20 #2 Zahn

Flash Point: 80F TCC

Recommended Film Thickness 1.0 to 2.0 mil Coverage @1mil. 377 sq ft/gal

VOC @ Gun 4.2 lbs/gal

SAFETY DATA SHEET

While we believe that the data herein is accurate & derived from quality sources, this data is not to be taken as a warrantee or product liability. It is offered solely for your consideration and personal protection.

SECTION I- HAZARDOUS INGREDIENTS

Ingredients	CAS Number	Vapor Pressure mm HG @ TEMP	Weight Percentage
*XYLENE	1330-20-7 9.5	mm Hg @68F	40 - 45%
*EB ACETATE	112-07-2 .29	mm Hg @68F	0 - 5%
*MINERAL SPIRITS	64742-88-7 3.4	mm Hg @68F	5 - 10%
ACETONE	67-64-1 180	mm Hg @68F	5 - 10% *

* Indicates toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION II - PHYSICAL DATA

Boiling Point: 176 F. Vapor Pressure (mmHg): @ 77F= 23.0
Vapor Density (Air=1): Heavier than air Melting Point (C): N/A
Specific Gravity. 1.07 Solubility in Water: none
Evaporation Rate: Slower than Ether Appearance and Odor: All Colors – Mild
V.O.C. 4.2 lbs/gal. Weight Solids: 42 %

SECTION III - FIRE AND EXPLOSION DATA

Flash Point (Method Used): T.C.C., 80F
Flammable Explosion: LEL = 1.0% UEL = 12.3%
Extinguishing Media: (1) Dry Chemical, (2) CO2, (3) Foam
Special Fire Fighting Procedures: Dry Chemical, Carbon Dioxide, Water Spray or Regular Foam. Full protective equipment including self-contained breathing apparatus should be used. If water is used, fog nozzles are preferable. Water may be used to cool dosed containers to prevent pressure buildup due to extreme heat. CAUTION: A straight stream of water will spread fire.

Unusual Fire and Explosion Hazards: Vapor accumulation will flash and/or explode, if ignited. Containers may burst explosively if overheated in fire. Cool with water spray or fog. Empty containers also present fire explosion hazard due to residual vapors. Keep containers tightly closed. During emergency situations, over-exposure to decomposition products may cause a health hazard with no symptoms immediately apparent. Obtain medical attention.

SECTION IV - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

ACUTE: Inhalation: Anesthetic. Irritation of respiratory tract or acute nervous system depression. Overexposure may result in headaches and nausea possibly followed by loss of consciousness. Ingestion: Gastrointestinal irritation including vomiting can occur. Aspiration of material into lungs may result in chemical pneumonitis which can be fatal. Skin contact: may result in irritation and absorption through skin. Eye contact will irritate.

CHRONIC: Some reports have associated repeated, prolonged overexposure to solvents with permanent central nervous system changes. Misuse by concentrating and inhaling the contents may be harmful or fatal. See Target Organ Effects Sheet for further information about effects of overexposure and medical conditions generally aggravated by exposure. The Target Organ Effects Sheet is a integral part of this Material Safety Data Sheet: any duplication of the MSDS must include it. California Proposition 65 requires that warnings be given regarding exposures to chemicals listed by the State as being known to cause cancer, birth defects or other reproductive harm. This product is not intentionally formulated with chemicals that are listed by California as causing the above effects. However, we are informed by the suppliers of some chemical ingredients used in this product that they may contain trace, but detectable, levels of some listed chemicals as impurities. Therefore, trace, but detectable, levels of listed chemicals may be present in this product.

EMERGENCY & FIRST AID PROCEDURES:

Vapor Inhalation - Restore breathing. Remove to fresh air. Keep warm and quiet. Notify a physician.

Eye Contact - Flush IMMEDIATELY with copious amounts of running water for at least 15 minutes. Take to physician for definitive medical treatment.

Skin Contact - Clean and wash affected area with water. Consult a physician.

Ingestion - DO NOT INDUCE VOMITING! Call physician Immediately

TOXICITY: Slightly Toxic by ingestion.

SECTION V- REACTIVITY DATA
STABILITY: Stable
CONDITIONS TO AVOID: Heat, open flames, electrical and static discharge.
INCOMPATIBILITY: (materials to avoid): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: CO2 and possible CO and carbon smoke.
HAZARDOUS POLYMERIZATION: Will not occur.
SECTION VI- SPILL OR LEAK PROCEDURES
STEPS IF SPILLED: Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapors. Contine spill with Inert absorbent and dean up with spark-proof tools.
WASTE DISPOSAL- Dispose of in accordance with local, state, and federal regulations. Land fill or incinerate in approved facility by licensed contractor. Do not incinerate in closed container.
SECTION VII - SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION: Use NIOSH/MSHA TC23C Chemical / Mechanical type filter system to remove a combination of particles, gas & vapors. Use an air supplied respirator if necessary.
VENTILATION: Use adequate ventilation in volume and pattern to keep TLV's and PELs (Section 11) below recommended levels, and flammable limits in air (Section M below the level necessary to produce explosion or fire. General mechanical ventilation should comply with OSHA 1910.94.
PROTECTIVE GLOVES: To prevent prolonged exposure, use rubber gloves. Solvents may be absorbed through the skin.
EYE PROTECTION: Safety glasses or goggles with splash guards or side shields.
OTHER PROTECTIVE EQUIPMENT: Prevent prolonged skin contact to contaminated clothing.
SECTION IX - SPECIAL PRECAUTIONS HANDLING PRECAUTIONS: Do not store over 120F. Avoid spillage and/or the creation of airborne aluminum dust. When storing large quantities, store in building designed and protected against flammable liquids. Use static lines when mixing and transferring material. Do not allow material to free fall more than five (5) inches.
OTHER PRECAUTIONS: 'FOR INDUSTRIAL USE ONLY'
DO NOT TAKE INTERNALLY. IF INGESTED, DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN. DO NOT FLAME CUT, WELD, OR BRAZE ON COATED MATERIAL WITHOUT NIOSA/MSHA TC23C RESPIRATOR.
DISCLAIMER: THE INFORMATION CONTAINED HEREIN IS BASED ON TECHNICAL DATA WHICH WE BELIEVE TO BE RELIABLE. HOWEVER, SINCE THE CONDITIONS UNDER WHICH THIS INFORMATION MAY BE APPLIED ARE BEYOND OUR CONTROL, WE CAN ASSUME NO LIABILITY FOR RESULTS OF ITS APPLICATION. ONLY PERSONS HAVING SUFFICIENT TECHNICAL SKILL TO MAKE INFORMED JUDGEMENTS REGARDING ITS APPLICATION SHOULD USE THIS INFORMATION.