1.0 SCOPE
THIS SPECIFICATION COVERS THE PREPARATION, HANDLING, AND DISPOSAL OF URALANE 5753 A AND B FOR USE IN SPOT BONDING ELECTRONIC COMPONENTS ON P.W.B.’S AND HARNESSES ON ELECTRONIC ASSEMBLIES.

2.0 APPLICABLE DOCUMENTS
-NASA SPECIFICATION NHB 5300.4(3J).
-GSFC INSPECTION OF POLYMERIC MATERIALS-APPLICATIONS MANUAL.
-FURANE PRODUCTS CO. TECHNICAL INFORMATION BULLETIN FOR URALANE 5753 A/B
-FURANE PRODUCTS CO. MSDS SHEET FOR URALANE 5753 A/B.

3.0 HANDLING
-HANDLING IN ACCORDANCE WITH URALANE 5753 A/B MSDS SHEET.
-FIRE AND REACTIVITY- HAZARDS SLIGHT.
-TOXICITY- HAZARDS HIGH FOR PART A
-HANDLE WITH VINYL GLOVES. MIX IN FUME HOOD.
-PRE-HEAT UPON RECEIPT IF CRYSTALINE. 1 HOUR@60C

4.0 DISPOSAL
-CURED SAMPLE TO BE STORED AS WITNESS SAMPLE FOR A MINIMUM OF 30 DAYS; THEREAFTER, DISPOSE WITH DAILY TRASH DISPOSAL.
-UNCURED LIQUID TO BE DISPOSED OF VIA CSR SAFETY PERSONNEL THROUGH M.I.T. SAFETY OFFICE.

5.0 MIXING PROCEDURE
-URALANE 5753 ‘A’ WILL REACT WITH MOISTURE; THEREFORE:
-CLEAN BEAKERS, MIXING RODS, SPATULAS, ALUMINUM DISHES, ETC WITH REAGENT GRADE ISOPROPYL ALCOHOL PRIOR TO USE.

-PREPARE URALANE 5753 B
- MIX CAN CONTENTS, THOROUGHLY, WITH METAL SPATULA
- USING OHAUS CT 1200 SCALE, PLACE 5 GRAMS OF URALANE 5753B IN AN ALUMINUM DISH.
- PURGE URALANE 5753B CAN WITH NITROGEN AND COVER.

-ADD PART A TO PART B
- USING OHAUS CT 1200 SCALE, ADD 1 GRAM OF URALANE 5753A TO PART B IN ALUMINUM DISH.
  -DO NOT MIX OR AGITATE WHILE POURING. LEAVE PRECIPITATE AT BOTTOM OF BOTTLE. INSURE PRECIPITATE IS NOT ABOVE 3/8” MEASURED FROM BOTTOM OF BOTTLE.
- PURGE URALANE 5753A BOTTLE WITH NITROGEN AND COVER.
- ADD ~5 GRAMS OF ALUMINUM OXIDE TO THICKEN.
- MIX WITH METAL SPATULA FOR 1 MINUTE.
- SEPARATE CONTROL SAMPLE FROM BEAKER AND PLACE IN OVEN AT 100°C FOR 5 MINUTES
- EVACUATE BEAKER FOR 2-3 MINUTES.(OPTIONAL)
- USE AS IS OR TRANSFER TO SYRINGE FOR APPLICATION.

-CURE
- 24 HOURS AT 25°C - FULL CURE. (USABLE AFTER OVERNIGHT CURE)
- 8 HOURS AT 95°C - FULL CURE.