



# Harris Products Group

## Technical Information Sheet

### STAY CLEAN® LIQUID SOLDERING FLUX

#### COMPOSITION

Methanol	1-5%
Zinc Chloride	5-30%
Ammonium Chloride	5-20%
H <sub>2</sub> O	30-70%
Muriatic Acid	4-10%

#### Step #2

Rinse thoroughly in a detergent treated water, heated to 120 ° F (49 ° C). Keep parts in motion to promote complete removal of step #1.

#### Step #3

Final rinse is accomplished using clean water heated to 120 ° F (49 ° C). Keep parts in motion to remove step 2.

#### PHYSICAL DATA

Color Clear Liquid

#### PROPERTIES & USE

Stay Clean liquid effectively removes surface oxide and prevents oxide formation during soldering. Stay Clean can be used with most tin based solder compositions and is an excellent companion flux with Harris Stay Brite® and Stay Brite® #8. Stay Clean is an active soldering flux. It works well on copper and brass but is more frequently used on base metals that require a more aggressive flux, such as steel, nickel, and stainless steel, (it is not suitable for aluminum or magnesium).

Flux residue is corrosive and a post-solder flux removal procedure should be employed. Because of this it is not recommended for use in electrical or electronic applications.

#### FLUX RESIDUE REMOVAL

##### Step #1

Thoroughly soak and wash soldered parts in a solution made up of one to two ounces Tri-sodium Phosphate (TSP) or Bicarbonate of soda added to one gallon of water heated to 120 ° F(49 ° C).

#### AVAILABLE SIZES

4 oz.	48/case
16 oz.	24/case
32 oz.	12/case
1 gallon	4/case
55 gallon drum	

#### SPECIFICATION COMPLIANCE

Commercial Specification A-A51145C Form B, Federal Specification OF-506C Type 1 Form B, (cancelled 9Jan87).

#### Safety Information

**WARNING:** protect yourself and others. Read and understand this information.  
**CAUTION:** corrosive liquid. May cause skin or eye burns. May be harmful if inhaled or swallowed.  
**FUMES AND GASES** can be hazardous to your health.  
**HEAT RAYS (INFRARED RADIATION)** from flame or hot metal can injure eyes.

- Before use, read and understand the manufacturer's instructions, Material Safety Data Sheets (MSDSs), and your employer's safety practices.
- Keep your head out of the fumes.
- Use enough ventilation, exhaust at the, flame, or work, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.
- See American National Standard ANSI Z49.1, *Safety in Welding, Cutting, and Allied Processes*, published by the American Welding Society, 550 N.W. LeJeune Road, Miami, Florida 33126; OSHA *Safety and Health Standards*, are published by the U.S. Government Printing Office, 732 North Capitol Street NW, Washington, DC 20401.

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