



**T H E H A R R I S P R O D U C T S G R O U P**  
**A L I N C O L N E L E C T R I C C O M P A N Y**  
 4501 Quality Place • Mason, OH 45040 U.S.A Tel: 513-754-2000 Fax: 513-754-6015

**TECHNICAL SPECIFICATION SHEET**

ISO 9002  
 Cert. No. 31598

**HARRIS STAY CLEAN® LIQUID SOLDERING FLUX**

**STATEMENT OF LIABILITY- DISCLAIMER**

Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. The Harris Products Group and its affiliates shall have no liability in respect thereof.

**MINIMAL COMPOSITION**

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

**Physical Properties:**

Effective Temp. Range	Up to 700°F
Color	Clear Liquid

**SOLDERING PROPERTIES:**

For removal and prevention of oxide, build up from all metals other than containing aluminum, magnesium, or titanium. Used primarily for the soldering of ferrous metals (i.e. stainless and steel) where a more aggressive flux is desired. Recommended for tin/lead, tin/antimony, tin/silver and many other solders. Not recommended for use on electrical applications.

**AVAILABLE FORMS:**

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

**SPECIFICATION COMPLIANCE:**

Meets Commercial Specification A-A51145C Type 1 Form B

All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.

Additional information available at our web site: [www.harrisproductsgroup.com](http://www.harrisproductsgroup.com)

**3/99 DC**



WARNING: CONTAINS FLUORIDES. PROTECT yourself and others. Read and understand this information. FUMES AND GASES can be hazardous to your health. Burns eyes and skin on contact.

CAN BE FATAL IF SWALLOWED

- Before use, read and understand the manufacturer's instructions, Material Safety Data Sheet (MSDSs), and your employer's safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the flame, or both, to keep fumes and gases from your breathing zone and the general area.
- Avoid contact of flux with eyes and skin.
- Do not take internally.
- Keep children away when using
- See American National Standard 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, available from the U.S. Government Office, Washington, DC 20402

*First Aid:* If contact in eyes, flush immediately with water for 15 minutes. If swallowed, induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

All statements, information and data given are believed to be accurate and reliable but are presented without guarantee, warranty or responsibility of any kind, expressed or implied.

Additional information available at our web site: [www.harrisproductsgroup.com](http://www.harrisproductsgroup.com)

3/99 DC