

Technical Bulletin

TSC A8 Stainless Steel Flux

DESCRIPTION

TSC A8 is a unique blend of chemicals developed to enable efficient soft soldering to metals such as stainless steels. These metals are difficult to solder due to the tough chromic oxide layer, which is present on the surface of the steel alloys. The free acid within A8 flux removes these oxides, thus producing a clean surface for the solder to wet.

FEATURES & BENEFITS

- High activity Flux – Easy soft soldering to stainless steels.
- Water soluble residues – Easy post soldering cleaning
- Used to solder all stainless steels and particularly successful with 18/8 (302-304), 321S16, S80, Stellite.
- Suitable for use on Zinc. If trying to solder to galvanized steel, care should be taken not to allow the A8 to etch the Zinc from the steel surface. Surface corrosion will be more likely if this is allowed to happen.
- Ideal for use with various solder alloy grades, A8 works particularly well with Sn60 Pb40 solder (ISO 9453, Alloy No.2). If the joint has to be lead free, then CEAMG's Sn99 Cu1 grade solder (ISO 9453, Alloy No.23) should be used. Both alloys are available in wire and tinmans format.

AVAILABILITY

TSC A8 Flux is supplied in 125ml, 250ml, 1L, 5L & 10L containers. Liquid flux should be stored in dry, well-ventilated area, away from direct heat and flame. Shelf life is 36 Months from date of manufacture.

HEALTH & SAFETY

Contains ingredients classified as hazardous. Use with adequate ventilation and proper personal protective equipment. Refer to the accompanying Safety Data Sheet for any specific emergency information. Do not dispose of any hazardous materials in non-approved containers.

The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for any loss or injury arising out of the use of this information or the use of the materials designated.

[solderconnection.com](https://www.solderconnection.com)

Unit 5 | Severn Link Distribution Centre
Chepstow | Monmouthshire | NP16 6UN

sales@solderconnection.co.uk
Office: 01291 624 400

Revision No: 3
Revision Date: 30/04/25