



# TECHNICAL SHEET

## FLUXAK 1031

### Manufacture of batteries using COS process.

Classification according to standard: 29454-1:2016 2.1.2.4

#### ➤ APPLICATION FIELD

A multipurpose flux for the manufacturing of all batteries using COS process. The flux is mainly recommended for brazing Pb/Sb alloys but can be used also for Pb/Ca alloys.

Derivative of Fluxak 1028, especially formulated for applications demanding low acidity.

No salt residues after brazing stage, therefore neither self-discharge nor corrosion phenomena.  
No pollution on welding and tinning bath.

#### ➤ CHARACTERISTICS, CHEMICOPHYSICAL PROPERTIES

- Organic flux with halogen in aqueous solution
- Liquid colourless to light yellow
- pH <1
- density (20°C) = 1.185-1.205
  
- Contains:
  - surfactants to guarantee a good wettability and a good capillarity.
  - anti-foaming agents to avoid foam formation when using rotative brushes.

Application temperature: 350° - 500°C

Fluxak 1031 is photosensitive: its coloration browning after few minutes, but it does not degrade its properties.

#### ➤ DIRECTION FOR USE

It can be used pure or diluted according to parts conditions to treat (i.e., oxidized lugs or dirty)

It is recommended to dry lugs before brazing when diluting the flux

It can be applied by dipping, brushing, ...

It is recommended for COS equipment without pre-heating process and for removing porosity on connector/lug joining.

#### ➤ PACKAGING

Plastic drum of 5kg and 35 kg

Our products are supplied on pallets.

*Sample available on demand.*



**stts**  
Brazing solutions

STTS  
Z.A.E. LA NEUVILLETTE  
60240 FLEURY - FRANCE  
☎ +33 3 44 49 02 19  
✉ +33 3 44 49 11 40  
✉ stts@stts-flux.com

ISO 9001  
ISO 14001  
BUREAU VERITAS  
Certification



### ➤ MISCELLANEOUS

All active materials are in compliance with REACH.

Refer to MSDS (Health and Safety data sheet) – available on demand: [commercial@stts-flux.com](mailto:commercial@stts-flux.com)

Note: The contents of this data sheet result from our knowledge and experience of the product. It is given as an indication but does not engage our responsibility for each particular case.