



Physical Properties

Appearance: white
Flash Point: N/A
pH: neutral
Odor: slight
Density: 1.2–1.4 g/cm³
Specific Gravity: 0.900–0.910
Viscosity: as required

Melting Point*: 565–572 °C
refers to NOCOLOK® Flux
*Addition of CsAlF₄ will reduce melting point.

Chemical Composition

NOCOLOK® Flux: 15–50%
Carrier: Balance
CsAlF₄: optional

Viscosity

Can be adjusted to customer specification. Representative example:
NOCOLOK® Flux Paste S01-23

Shear Rate (sec ⁻¹)	Viscosity at 25°C (± 1k mPa·s)
10	4,000
1	17,000

Pseudoplastic behavior

Packaging

10 kg HDPE pail
15 kg HDPE pail

Application

NOCOLOK® Flux Paste is a flux paste specifically formulated for providing a viscous homogeneous mixture of NOCOLOK® Flux (15–50 %) in an organic carrier for brazing aluminium clad interfaces where traditional water based fluxing is not suitable.

Typical applications include but not limited to: interior tube seams (B-tubes), snap over joints (clinch tubes), tube-to-header joints, internal turbulators.

The paste can be dispensed manually by brush or syringe or with automatic dispensing equipment. The paste can be used in both furnace and flame braze process.

CsAlF₄ can be added to accommodate materials with Mg of up to approximately 0.5 % in furnace brazing. This refers to the combined Mg-level of both components to be joined.

Li₃AlF₆ can be added to generate a flux residue with further reduced solubility. This minimizes specific interactions that are connected to residue dissolution.

Classification

Classified as hazardous according to the European regulation (EC) 1272/2008 (GHS)

GHS Labelling:
Signal Word: Danger

Hazard Symbols:
GHS07, GHS08

Hazard Statements:
H315, H319, H332, H362, H372, H412

Precautionary Statements:
P260, P263, P273, P280,
P305+P351+P338,
P308+P313, P501

Additional information can be found in the Safety Data Sheet (SDS).

MANAGEMENTSYSTEM



DQS – certified according
DIN EN ISO 9001:2008
ISO/TS 16949:2009
DIN EN ISO 14001:2004
BS OHSAS 18001:2007

NOCOLOK is registered trademark of
Solvay Fluor GmbH, Germany

Solvay Fluor GmbH

Postfach 220 Phone +49 511 857-0
30002 Hannover, Germany Fax +49 511 857-2146

www.nocolok.com

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