

ALCOHOL- AND WATER-BASED FLUXES

ELECTRONIC

E



EMIL OTTO

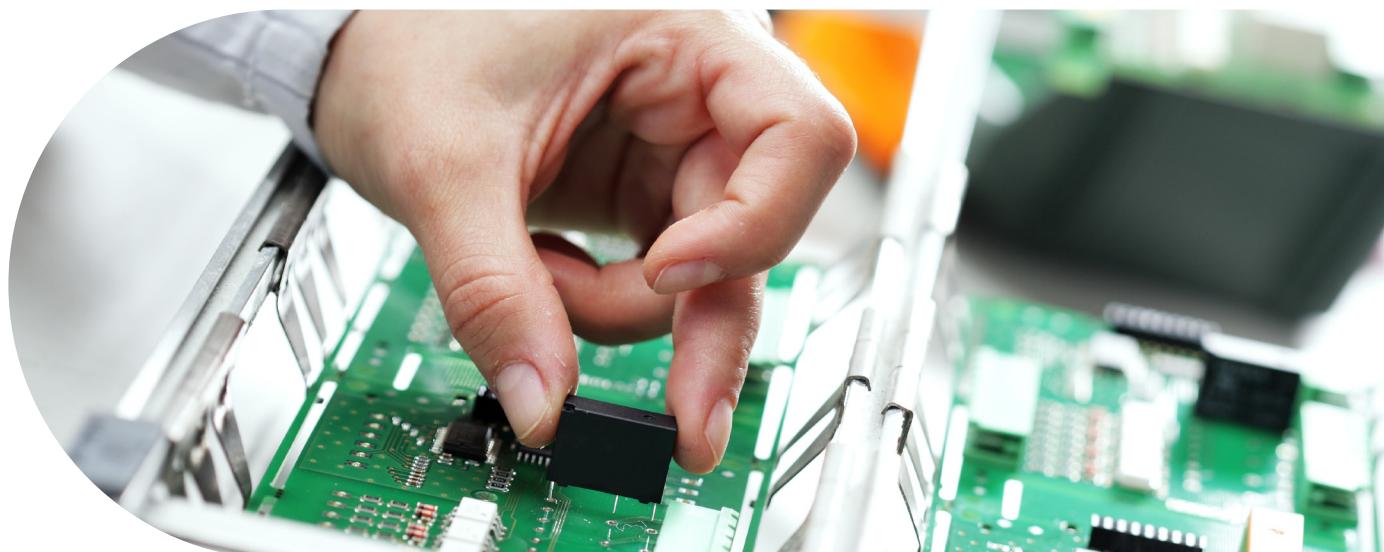


Do you have questions about our products?
We will be happy to advise you under: **+49 (6123) 70 46-0**



CONTENT

ELM/KF Dip and strand tinning, special applications	6
EO-F-001 (Multiflux) Foam and spray fluxing, selective, hand and dip soldering	6
EO-F-001/OVAP Spray fluxing, selective, hand and dip soldering	7
EO-F-001A (Multiflux) Wave, selective, dip and hand soldering processes as well as cable assembly	7
EO-F-001A/OVAP Wave and selective soldering as well as soldering and tinning processes	8
EO-F-001C (Multiflux) Foam and spray fluxing,selective, hand and dip soldering	8
EO-F-001C/OVAP Wave and selective soldering as well as strand tinning, soldering and tinning processes	9
EO-F-002 (Multiflux) Foam and spray fluxing, selective, hand and dip soldering	9
EO-F-002/OVAP Spray fluxing, selective, hand and dip soldering	10
EO-F-002A (Multiflux) Wave and selective soldering as well as soldering and tinning processes	10
EO-F-002A/OVAP Wave and selective soldering as well as strand tinning, soldering and tinning processes	11
EO-F-002C (Multiflux) Wave and selective soldering as well as soldering and tinning processes	11
EO-F-002C/OVAP Wave and selective soldering as well as strand tinning, soldering and tinning processes	12
EO-Y-001 (Multiflux) Wave and selective soldering, manual and repair soldering, dip soldering	12
EO-Y-003 (Multiflux) Wave and selective soldering	13
EO-Y-004 (Multiflux) Wave and selective soldering	13
EO-Y-005A (Multiflux) Wave and selective soldering	14
EO-Y-005B (Multiflux) Wave and selective soldering	14
EO-Y-005C (Multiflux) Wave and selective soldering	15
EO-Y-006A (Multiflux) Wave and selective soldering	15
EO-Y-006B (Multiflux) Wave and selective soldering	16
EO-Y-006C (Multiflux) Wave and selective soldering	16
EO-Y-014A (Multiflux) Wave and selective soldering	17
EO-Y-014B (Multiflux) Wave and selective soldering	17
EO-Y-014C (Multiflux) Wave and selective soldering	18
SD-35 (Multiflux) Wave and selective soldering, manual and repair soldering, dip soldering	18

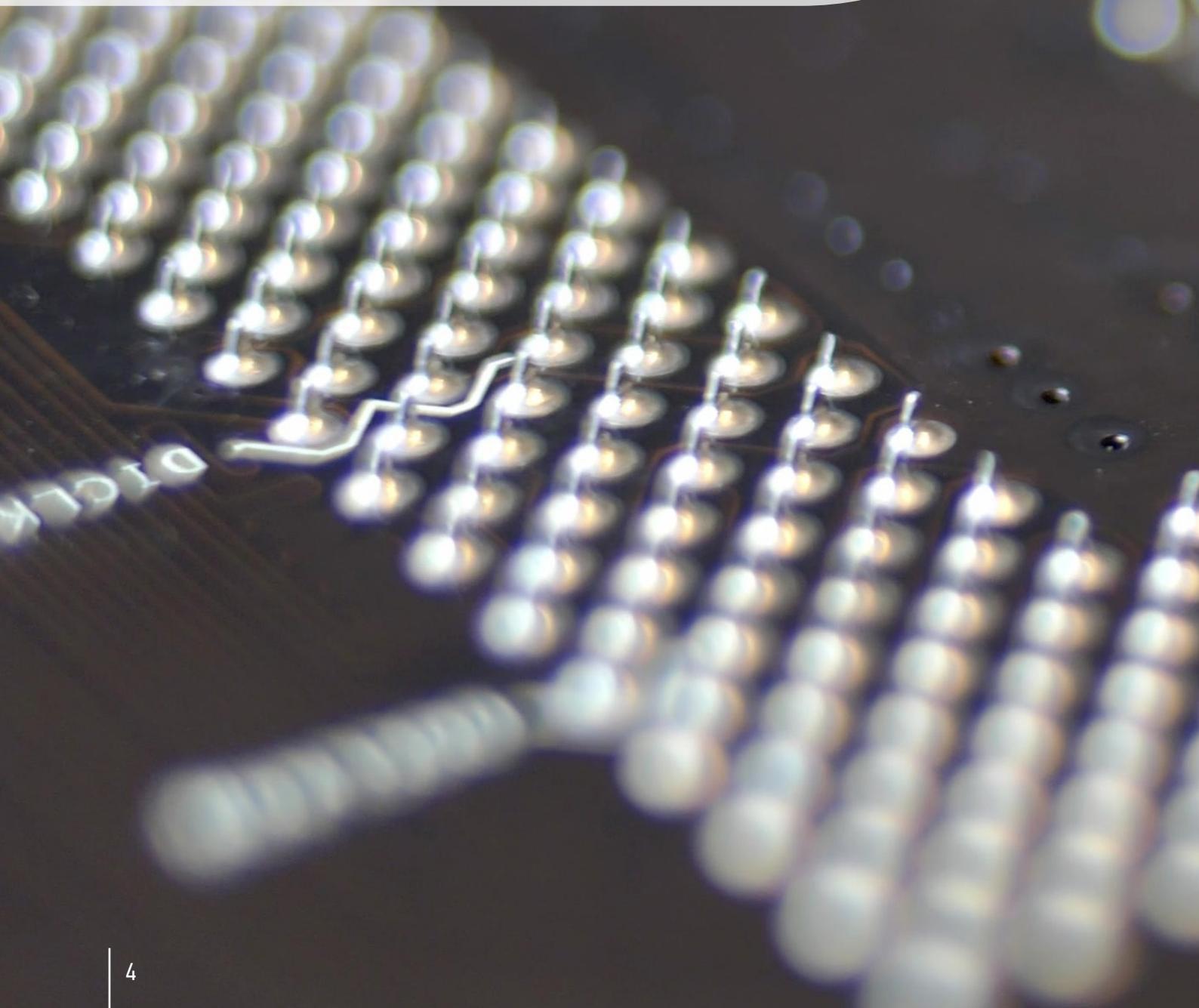


The name Emil Otto represents the highest quality since 1901. As an owner-run company, we have dedicated ourselves to the development and production of high quality fluxes and other consumables. In particular, the wide flux range of alcohol and water-based fluxes is used by market leaders at home and abroad.

Alcohol- and water-based fluxes, also called hybrid fluxes, have been developed for use in wave and selective soldering. These fluxes have a very wide range of applications with very good soldering properties, especially through the capillarity and wetting of the PCB. The process window is also very wide, with high thermal stability. The PCBs are visually very clean after the flux has been used.

At Emil Otto, your process is our focus, and we provide you with the suitable flux that perfectly fits your requirements.

Your Emil Otto Team



ELM/KF

Cat.-No. 2052

Flux, alcohol- and water-based

Di-carboxylic acids, special product, halogenated, resin-free (WEEE/RoHS compliant)

Type ISO 9454: 2.1.3.1 \ DIN EN 61 190-1-1 (ORLO)



Customer added values:

- Very good soldering properties (capillarity, wetting)
- Broad processing window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Dip and strand tinning, special applications

Packaging units:

Canister 20 l



Technical data:

Appearance:	salmon pink, clear liquid
Solids content:	–
Density at 20 °C	1.035 – 1.050 g/ml
Acid number:	–
Activators:	di-carboxylic acids, halogenated, resin-free
Solvents:	carboxylic acids, amines, anorganic acids
Flash point:	hardly flammable
Durability:	24 months

EO-F-001 (MULTIFLUX)

Cat.-No. 6460

No Clean-Flux for wave and selective soldering processes

Di-carboxylic acids, resin complex, halogen-free activators (WEEE/RoHS compliant)

Type ISO 9454: 2231 (2.2.3.A) \ DIN-EN 61190-1-1 (acc. J-STD-004) (IEC ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)
- Can be applied using all common application methods including foam fluxing

Application method:

Foam and spray fluxing,
selective, hand and dip soldering

Packaging units:

Canister 5 l, 10 l and 20 l



Technical data:

Appearance:	colourless-light yellow, clear liquid
Solids content:	2.5 wt.-%
Density at 20 °C	0.80 – 0.82 g/ml
Acid number:	18 – 21 mg KOH/g
Activators:	di-carboxylic acids, resin complex, halogen-free activators
Solvents:	formulation of alcohols and ester compounds
Flash point:	12 °C
Durability:	12 months

EO-F-001/OVAP

Cat.-No. 6462

No Clean-Flux for wave and selective soldering processes
Di-carboxylic acid resin complex, halogen-free activators (WEEE /RoHS compliant)
Typ ISO 9454: 2231 (2.2.3.A) \ DIN-EN 61190-1-1 (acc. J-STD-004) (ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)
- Can be applied using all common application methods except foam fluxing

Application method:

Spray fluxing,
selective, hand and dip soldering

Packaging units:

Canister 5 l, 10 l and 20 l



EO-F-001A (MULTIFLUX)

Cat.-No. 6464

Technical data:

Appearance:	colourless–light yellow, clear liquid
Solids content:	2.5 wt.-%
Density at 20 °C:	0.80 – 0.82 g/ml
Acid number:	18 – 21 mg KOH/g
Activators:	di-carboxylic acid resin complex, halogen-free activators
Solvents:	formulation of alcohols and ester compounds
Flash point:	12 °C
Durability:	12 months

EO-F-001A (MULTIFLUX)

Cat.-No. 6464

Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behavior (optically very clean, high SIR)
- Can be applied using all common application methods including foam fluxing



Application method:

Wave, selective, dip and hand soldering processes as well as cable assembly

Packaging units:

Canister 5 l and 20 l



Technical data:

Appearance:	colourless to yellowish, transparent liquid
Solids content:	1.9 – 2.2 wt.-%
Density 20°:	0.80 – 0.82 g/ml
Acid number:	15 – 18 mg KOH/g
Activators/resin:	di-carboxylic acid-resin complex, halide-free
Solvent:	mixture of monohydric alcohols and ester compounds
Flash point:	12 °C
Durability:	12 months

EO-F-001A/OVAP

Cat.-No. 6466

No Clean-Flux, alcohol- and water-based

Di-carboxylic acid resin complex, halide-free (WEEE/RoHS compliant)

Type ISO 9454: 2231 / DIN-EN 61190-1-1 (according to J-STD-004):L0 (IPC ORL0)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behavior (optically very clean, high SIR)
Can be applied using all common application methods except foam fluxing

Application method:

Wave and selective soldering as well as soldering and tinning processes

Packaging units:

Canister 5 l and 20 l



Technical data:

Appearance:	colourless to yellowish, transparent liquid
Solids content:	1.9 - 2.2 wt.-%
Density 20°	0.80 - 0.82 g/ml
Acid number:	15 - 18 mg KOH/g
Activators/resin:	di-carboxylic acid-colophony complex
Solvent:	short-chain alcohols and ester compounds
Flash point:	must be removed
Durability:	12 months

EO-F-001C (MULTIFLUX)

Cat.-No. 6468

No Clean-Flux for wave and selective soldering processes

Di-carboxylic acid resin complex, halogen-free activators (WEEE/RoHS compliant)

Type ISO 9454: 2231 (2.2.3.A) \ DIN-EN 61190-1-1 (acc. J-STD-004) (IEC ORL0)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)
- Can be applied using all common application methods including foam fluxing

Application method:

Foam and spray fluxing, selective, hand and dip soldering

Packaging units:

Canister 5 l, 10 l and 20 l



Technical data:

Appearance:	colourless to yellowish, transparent liquid
Solids content:	3.9 - 4.2 wt.-%
Density 20°:	0.80 - 0.82 g/ml
Acid number:	30 - 36 mg KOH/g
Activators/resin:	di-carboxylic acid-resin complex, halide-free
Solvent:	mixture of monohydric alcohols and ester compounds
Flash point:	12 °C
Durability:	12 months

EO-F-001C/OVAP

Cat.-No. 6470

No Clean-Flux, alcohol- and water-based
Di-carboxylic acid resin complex, halide-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 // DIN-EN 61190-1-1 (according to J-STD-004):L0 (IPC ORL0)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behavior (optically very clean, high SIR)
- Can be applied using all common application methods except foam fluxing

Application method:

Wave and selective soldering as well as strand tinning, soldering and tinning processes

Packaging units:

Canister 5 l and 20 l



EO-F-002 (MULTIFLUX)

Cat.-No. 6461

Technical data:

Appearance:	colourless to yellowish, transparent liquid
Solids content:	3.9 - 4.2 wt.-%
Density 20°	0.80 - 0.82 g/ml
Acid number:	30 - 36 mg KOH/g
Activators/resin:	di-carboxylic acid-resin complex, halide-free
Solvent:	mixture of monohydric alcohols and ester compounds
Flash point:	12 °C
Durability:	12 months

EO-F-002 (MULTIFLUX)

Cat.-No. 6461

No Clean-Flux for wave and selective soldering processes

Di-carboxylic acid resin complex, halogen-free activators (WEEE/RoHS compliant)
Type ISO 9454: 2231 (2.2.3.A) \ DIN-EN 61190-1-1 (acc. J-STD-004) (IEC ORL0)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)
- Can be applied using all common application methods including foam fluxing

Application method:

Foam and spray fluxing,
selective, hand and dip soldering

Packaging units:

Canister 5 l, 10 l and 20 l



Technical data:

Appearance:	colourless-light yellow, clear liquid
Solids content:	2.7 wt.-%
Density at 20 °C:	0.84 – 0.86 g/ml
Acid number:	21 – 24 mg KOH/g
Activators:	di-carboxylic acid resin complex, halogen-free activators
Solvents:	formulation of alcohols and ester compounds
Flash point:	12 °C
Durability:	12 months

EO-F-002/OVAP

Cat.-No. 6463

No Clean-Flux for wave and selective soldering processes
Di-carboxylic acid resin complex, halogen-free activators (WEEE/RoHS compliant)
Type ISO 9454: 2231 (2.2.3.A) \ DIN-EN 61190-1-1 (acc. J-STD-004) L0 (IEC ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)
- Can be applied using all common application methods except foam fluxing

Application method:

Spray fluxing,
selective, hand and dip soldering

Packaging units:

Canister 5 l, 10 l and 20 l



Technical data:

Appearance:	colourless-light yellow, clear liquid
Solids content:	2.7 wt.-%
Density at 20 °C:	0.84 – 0.86 g/ml
Acid number:	21 – 24 mg KOH/g
Activators:	di-carboxylic acid resin complex, halogen-free activators
Solvents:	formulation of alcohols, ester compounds
Flash point:	12 °C
Durability:	12 months

EO-F-002A (MULTIFLUX)

Cat.-No. 6465

No Clean-Flux, alcohol- and water-based
Di-carboxylic acid resin complex, halide-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 / DIN-EN 61190-1-1 (according to J-STD-004):L0 (IPC ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behavior (optically very clean, high SIR)
- Can be applied using all common application methods including foam fluxing

Application method:

Wave and selective soldering as well as soldering and tinning processes

Packaging units:

Canister 5 l and 20 l



Technical data:

Appearance:	colourless to yellowish, transparent liquid
Solids content:	1.9 – 2.2 wt.-%
Density at 20 °C:	0.84 – 0.86 g/ml
Acid number:	15 – 18 mg KOH/g
Activators/resin:	di-carboxylic acid-resin complex, halide-free
Solvent:	mixture of monohydric alcohols, ester compounds, H2O
Flash point:	12 °C
Durability:	12 months

EO-F-002A/OVAP

Cat.-No. 6467

No Clean-Flux, alcohol- and water-based
Di-carboxylic acid resin complex, halide-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 // DIN-EN 61190-1-1 (according to J-STD-004):L0 (IPC ORL0)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behavior (optically very clean, high SIR)
- Can be applied using all common application methods except foam fluxing

Application method:

Wave and selective soldering as well as strand tinning, soldering and tinning processes

Packaging units:

Canister 5 l and 20 l



EO-F-002C (MULTIFLUX)

Cat.-No. 6469

No Clean-Flux, alcohol- and water-based
Di-carboxylic acid resin complex, halide-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 // DIN-EN 61190-1-1 (according to J-STD-004):L0 (IPC ORL0)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behavior (optically very clean, high SIR)
- Can be applied using all common application methods including foam fluxing

Application method:

Wave and selective soldering as well as soldering and tinning processes

Packaging units:

Canister 5 l and 20 l



Technical data:

Appearance:	colourless to yellowish, transparent liquid
Solids content:	3.9 - 4.2 wt.-%
Density at 20 °C:	0.84 - 0.86 g/ml
Acid number:	30 - 36 mg KOH/g
Activators/resin:	di-carboxylic acid-resin complex, halide-free
Solvent:	mixture of monohydric alcohols, ester compounds, H2O
Flash point:	19 °C
Durability:	12 months

EO-F-002C/OVAP

Cat.-No. 6471

No Clean-Flux, alcohol- and water-based
Di-carboxylic acid resin complex, halide-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 // DIN-EN 61190-1-1 (according to J-STD-004):L0 (IPC ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behavior (optically very clean, high SIR)
- Can be applied using all common application methods except foam fluxing

Application method:

Wave and selective soldering as well as strand tinning, soldering and tinning processes

Packaging units:

Canister 5 l and 20 l



Technical data:

Appearance:	colourless to yellowish, transparent liquid
Solids content:	3.9 - 4.2 wt.-%
Density 20°	0.84 - 0.86 g/ml
Acid number:	30 - 36 mg KOH/g
Activators/resin:	di-carboxylic acid-resin complex, halide-free
Solvent:	mixture of monohydric alcohols, ester compounds, H2O
Flash point:	19 °C
Durability:	12 months

EO-Y-001 (MULTIFLUX)

Cat.-No. 6009

No Clean-Flux, alcohol- and water-based
Di-carboxylic acids, resin-free, halogen-free (WEEE/RoHS compliant)
Type ISO 9454: 2131 // DIN EN 61 190-1-1 (ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering, manual and repair soldering, dip soldering

Packaging units:

Canister 20 l



Technical data:

Appearance:	colourless, clear liquid
Solids content:	2.7 wt.-%
Density at 20 °C:	0.87 g/ml
Acid number:	22 – 26 mg KOH/g
Activators:	di-carboxylic acids, resin-free, halogen-free
Solvents:	short-chain alcohols and water
Flash point:	12 °C
Durability:	24 months

EO-Y-003 (MULTIFLUX)

Cat.-No. 6024

No Clean-Flux, alcohol- and water-based
Di-carboxylic acids, resin-free, halogen-free (WEEE/RoHS compliant)
Type ISO 9454: 2131 \ DIN EN 61 190-1-1 (ORLO)



Customer added values:

- Wide range of applications
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 20 l



EO-Y-004 (MULTIFLUX)

Cat.-No. 6025

No Clean-Flux, alcohol- and water-based
Di-carboxylic acids, resin-free, halogen-free (WEEE/RoHS compliant)
Type ISO 9454: 2131 \ DIN EN 61 190-1-1 (ORLO)



Customer added values:

- Very good soldering properties (capillarity, wetting)
- Available as concentrate (granulate)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 20 l
Granulate for 10 l



Technical data:

Appearance:	colourless to light yellow, clear liquid
Solids content:	3.5 – 3.7 wt.-%
Density at 20 °C:	0.9 – 1.0 g/ml
Acid number:	28 – 32 mg KOH/g
Activators:	di-carboxylic acids, resin-free, halogen-free
Solvents:	short-chain alcohols and water
Flash point:	hardly flammable
Durability:	12 months

EO-Y-005A (MULTIFLUX)

Cat.-No. 6092

No Clean-Flux water-based with alcohol additive, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant) Type ISO 9454: 2231 (2.2.3.A) \\\ DIN EN 61190-1-1 (acc. J-STD-004) (ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l
other packing sizes on request



Technical data:

Appearance:	colourless, transparent liquid
Solids content:	2.0 wt.-%
Density at 20 °C:	0.9 – 1.0 g/ml
Acid number:	16 – 19 mg KOH/g
Activators:	di-carboxylic acids, synthetic resin
Solvents:	water with alcohol additive
Flash point:	hardly flammable
Durability:	12 months

EO-Y-005B (MULTIFLUX)

Cat.-No. 6093

No Clean-Flux water-based with alcohol additive, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant) Type ISO 9454: 2231 (2.2.3.A) \\\ DIN EN 61190-1-1 (acc. J-STD-004) (ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l



Technical data:

Appearance:	colourless, transparent liquid
Solids content:	3.0 wt.-%
Density at 20 °C:	0.9 – 1.0 g/ml
Acid number:	24 – 27 mg KOH/g
Activators:	di-carboxylic acids, synthetic resin
Solvents:	water with alcohol additive
Flash point:	hardly flammable
Durability:	12 months

EO-Y-005C (MULTIFLUX)

Cat.-No. 6026

No Clean-Flux water-based with alcohol additive, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS-compliant)
Type ISO 9454: 2231 (2.2.3.A) \\\ DIN EN 61190-1-1 (acc. J-STD-004) (ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l, 10 l and 20 l



EO-Y-006A (MULTIFLUX)

Cat.-No. 6985

No Clean-Flux alcohol-based, partially aqueous, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 (2.2.3.A) \\\ (DIN EN 61190-1-1 (IEC OR/L0)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l
other packing sizes on request



Technical data:

Appearance:	colourless, transparent liquid
Solids content:	2.0 wt.-%
Density at 20 °C:	0.86 – 0.88 g/ml
Acid number:	16 – 19 mg KOH/g
Activators:	di-carboxylic acids, synthetic resin
Solvents:	alcohol- / partial water-based
Flash point:	20 °C
Durability:	12 months

EO-Y-006B (MULTIFLUX)

Cat.-No. 6065

No Clean-Flux alcohol-based, partially aqueous, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant) Type ISO 9454: 2231 (2.2.3.A) \ DIN EN 61190-1-1 (IEC ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l
other packing sizes on request



Technical data:

Appearance:	colourless, transparent liquid
Solids content:	3.0 wt.-%
Density at 20 °C:	0.86 – 0.88 g/ml
Acid number:	24 – 27 mg KOH/g
Activators:	di-carboxylic acids, synthetic resin
Solvents:	alcohol- / partial water-based
Flash point:	20 °C
Durability:	12 months

EO-Y-006C (MULTIFLUX)

Cat.-No. 6986

No Clean-Flux alcohol-based, partially aqueous, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant) Type ISO 9454: 2231 (2.2.3.A) \ DIN EN 61190-1-1 (IEC ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l
other packing sizes on request



Technical data:

Appearance:	colourless, transparent liquid
Solids content:	4.0 wt.-%
Density at 20 °C:	0.86 – 0.88 g/ml
Acid number:	32 – 37 mg KOH/g
Activators:	di-carboxylic acids, synthetic resin
Solvents:	alcohol- / partial water-based
Flash point:	20 °C
Durability:	12 months

EO-Y-014A (MULTIFLUX)

Cat.-No. 6126

No Clean-Flux water-based with added alcohol, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 (2.2.3.A) // DIN EN 61190-1-1 (IEC: ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l
other packing sizes on request



Technical data:

Appearance:	ear, colourless liquid
Solids content:	2.0 wt.-%
Density at 20 °C:	0.9 – 1.0 g/ml
Acid number:	15 – 19 mg KOH/g
Activators:	di-carboxylic acids, resin
Solvents:	water with alcohol additive
Flash point:	hardly flammable
Durability:	12 months

EO-Y-014B (MULTIFLUX)

Cat.-No. 6120

No Clean-Flux water-based with added alcohol, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 (2.2.3.A) // DIN EN 61190-1-1 (IEC: ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l
other packing sizes on request



Technical data:

Appearance:	clear, colourless liquid
Solids content:	3.0 wt.-%
Density at 20 °C:	0.9 – 1.0 g/ml
Acid number:	24 – 28 mg KOH/g
Activators:	di-carboxylic acids, synthetic resin
Solvents:	water with added alcohol
Flash point:	hardly flammable
Durability:	12 months

EO-Y-014C (MULTIFLUX)

Cat.-No. 6127

No Clean-Flux water-based with added alcohol, Di-carboxylic acids, low VOC, halogen-free activated, with synthetic resin, rosin-free (WEEE/RoHS compliant)
Type ISO 9454: 2231 (2.2.3.A) // DIN EN 61190-1-1 (IEC: ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering

Packaging units:

Canister 5 l and 20 l
other packing sizes on request



Technical data:

Appearance:	clear, colourless liquid
Solids content:	4.0 wt.-%
Density at 20 °C:	0.9 – 1.0 g/ml
Acid number:	30 – 37 mg KOH/g
Activators:	di-carboxylic acids, synthetic resin
Solvents:	water with added alcohol
Flash point:	hardly flammable
Durability:	12 months

SD-35 (MULTIFLUX)

Cat.-No. 6335

No Clean-Flux alcohol- and water-based
Di-carboxylic acids, resin-free, halogen-free (WEEE/RoHS compliant)
Type ISO 9454: 2131 // DIN EN 61 190-1-1 (ORLO)



Customer added values:

- Wide range of applications (multiflux)
- Very good soldering properties (capillarity, wetting)
- Broad process window (high thermal stability, good activity over a long interval)
- Very good residue behaviour (optically very clean, high SIR)

Application method:

Wave and selective soldering,
manual and repair soldering, dip soldering

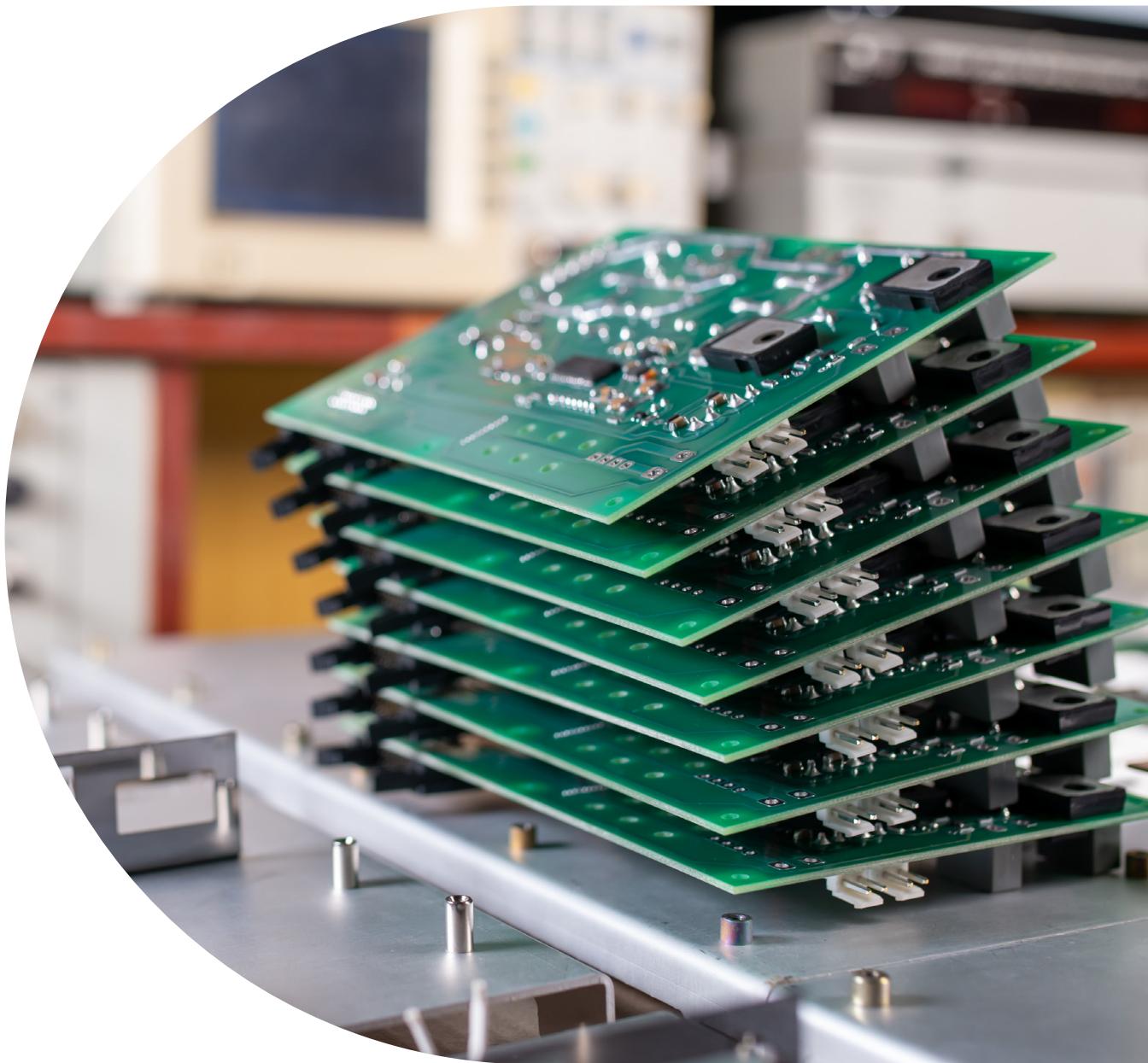
Packaging units:

Canister 20 l
optionally available as dispenser bottle
or flux-metering



Technical data:

Appearance:	colourless, clear liquid
Solids content:	3.5 wt.-%
Density at 20 °C:	0.86 – 0.88 g/ml
Acid number:	28 – 34 mg KOH/g
Activators:	di-carboxylic acids, resin-free, halogen-free
Solvents:	short-chain alcohols and water
Flash point:	12 °C
Durability:	24 months



Do you have questions about our products?
We will be happy to advise you under: +49 (6123) 70 46-0





PRODUCTS FOR THE ELECTRONICS INDUSTRY

ELECTRONIC



EMIL OTTO

Flux- und Oberflächentechnik GmbH

Eltviller Landstraße 22
65346 Eltville (Erbach)
Germany

Phone: +49 (6123) 70 46-0
Fax: +49 (6123) 70 46-15

E-mail: info@emilotto.de

www.emilotto.com