TBS Flux

Soldering flux NC-559-ASM-UV · 10 cc
User manual



Read this manual before use and keep it for future reference.

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1. Product description

1.1 What it is for

TBS Flux is a soldering flux paste from Team BlackSheep (TBS), supplied in a 10 cc syringe. It is used before and during soldering to prevent oxidation of the soldered surfaces and to create better, cleaner solder joints – for example when soldering wires, connectors and components on the flight controller (FC), electronic speed controllers (ESC) and other printed circuit boards when building and repairing FPV drones.

The flux type is **NC-559-ASM-UV**, which is very popular in the electronics repair industry. It is a **No-Clean** flux – it does not require extra steps to clean the PCB after soldering. The plunger and dispensing needle help you apply a precise amount even for delicate work.

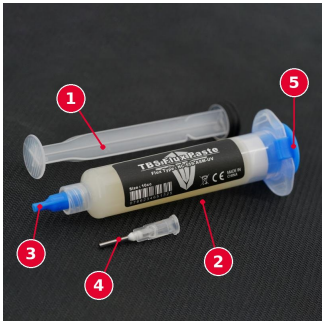


Fig. 1 – Package parts

① plunger · ② syringe with flux (the label shows the type and volume) · ③ tip cap · ④ dispensing needle · ⑤ syringe end cap

1.2 Technical data and package contents

Manufacturer	Team BlackSheep (TBS)
Product name	TBS Flux (label: “TBS Flux Paste”)
Flux type	NC-559-ASM-UV
Kind	No-Clean – no cleaning required after soldering
Volume	10 cc (10 ml)
Classification	the mixture is not classified as hazardous under Regulation (EC) No 1272/2008
Country of origin	China (according to the label)
Package contents	1× syringe with flux, plunger, dispensing needle
Not included	soldering iron, solder, cleaning agents, protective equipment

2. Use

2.1 Preparing the syringe

1. Remove the syringe end cap ⑤ and insert the plunger ① into the syringe.
2. Remove the tip cap ③. For fine dispensing, fit the dispensing needle ④ onto the tip.
3. Press the plunger gently to dispense a small amount of flux onto a piece of paper and check that the flux comes out smoothly.

※ At low temperatures the paste is thicker and harder to dispense. Let the syringe reach room temperature before use – do not heat it with a flame or a hot-air gun.

2.2 Applying flux and soldering

- First remove coarse dirt, grease and old solder residue from the surfaces to be soldered.
- Apply a **thin layer** of flux only to the joint area – the solder pad, the component lead or the stripped end of the wire.
- Heat the joint with the soldering iron tip and feed in the solder. When heated, the flux spreads, removes oxides and the solder flows into the joint more easily.
- When tinning wires, apply flux to the stripped end of the wire and to the solder pad, tin both and then join them.
- For repairs or desoldering, apply flux to the old joint – it makes it easier to reflow the solder and remove the excess.
- Do not use an excessive amount. Excess flux spatters when heated, produces more smoke and leaves sticky residue.
- Set the soldering iron temperature according to the solder used and the recommendations of the solder and soldering iron manufacturers.

2.3 After soldering

- The flux is a No-Clean type – residue does not have to be removed from the PCB after soldering.
- If you want a clean board (easier joint inspection, appearance, sticky residue after applying a larger amount), you can remove the residue with isopropyl alcohol and a soft brush. Let the board dry completely before connecting power.
- After work, wipe the syringe tip or needle and close the syringe with the tip cap ③ so that the flux does not dry out or leak.

2.4 Safety and storage

- Work in a well-ventilated area, ideally with fume extraction. Do not inhale the fumes produced during soldering.
- Avoid contact of the flux with the eyes and prolonged contact with the skin. In case of eye contact, rinse with clean water; if irritation persists, seek medical advice. Wash your hands after work.
- Do not eat, drink or smoke while working.
- Beware of the hot soldering iron tip and freshly soldered joints – risk of burns.
- Keep the flux, syringe and dispensing needle out of the reach of children.
- Store closed, in a dry place, protected from direct sunlight and heat sources.
- When using the product, also follow the occupational safety regulations applicable in the country in which you use it.

3. Information for the EU and Czech Market

3.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

3.2 Disposal

- The product is not electrical or electronic equipment. Do not pour flux residue into drains or dispose of it in the environment.
- Dispose of the empty syringe, plunger and dispensing needle according to local waste sorting rules. Hand in a syringe containing flux residue at a waste collection point designated by your municipality (e.g. a recycling centre).
- The waste regulations of the country in which you use the product are decisive; in the Czech Republic, in particular Act No. 541/2020 Coll., on waste.

4. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 3.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.