

**Material Safety Data Sheet for
X-Tronic Rosin Flux Tips Cleaner / Brass Cleaner w/ Flux
X-Tronic Model #8010-XTS**

1. Identification
 - a. Soldering Tip Cleaner
 - b. Tips Cleaner
 - c. Rosin Flux
 - d. Brass Tip Cleaner w/ Flux
2. Hazard Identification
 - a. Not classified as hazardous according to the BES Dangerous Substance Directive and Dangerous Preparation Directive.
 - b. Self-ignition may occur in case fine particles are absorbed in e.g. sawdust, clothes or insulating material.
3. Composition/information on ingredients
 - a. This product is to be considered as preparation in conformance to EC directives.
 - b. Information on hazardous ingredients.
 - c. Chemical description: resin ester
 - d. Non Volatile – 100%
 - e. Non-Hazardous Material
4. First aid measures
 - a. Symptoms and effect: No typical symptoms and effects known.
 - b. First Aid General: In all cases of doubt, or when symptoms persist, seek medical attention.
 - c. Inhalation: This is only possible by exposure to HOT product. Move to fresh air, rest, half upright position, loosen clothing. Seek medical advice.
 - d. Skin: Remove contaminated clothing. Seek medical advice if irritation develops
 - e. Eyes: Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.
 - f. Ingestion: Rinse mouth with water. In serious cases seek medical attention.
 - g. Advice to physician: This product is considered to be relatively harmless to man.
5. Fire Fighting Measures
 - a. Extinguishing media: Water mist, foam, dry powder, carbon dioxide.
 - b. Unsuitable extinguishing media: Never use water jet.
 - c. Special exposure hazards: No specific recommendations.
 - d. Hazardous decomposition: In case of thermal decomposition, acrid fumes may be formed.
 - e. Combustion Product Protective Equipment: No specific recommendations.
6. Accidental release measures
 - a. Personal Precautions: The usual precautions for handling chemicals should be observed.
 - b. Environmental Precautions: No specific recommendations.

- c. Methods for Cleaning Up: Collect as much as possible in a clean container for (preferable) reuse or disposal. Absorb remainder in special oil absorbent. Self-ignition may occur in case fine particles are absorbent in e.g. saw dust, clothes, or insulating material. Absorb remainder in special oil absorbent. If absorbed in special oil absorbers or clothes, keep in fire-safe place (self-ignition may occur).
 - d. Other Information: Normally stable.
- 7. Handling and Storage
 - a. Handling: The usual precautions for handling chemicals should be observed.
 - b. Fire & Explosion Prevention: Self-ignition may occur in case fine particles are absorbent in e.g. saw dust, clothes, or insulating material. Absorb remainder in special oil absorbent. If absorbed in special oil absorbers or clothes, keep in fire-safe place (self-ignition may occur).
 - c. Storage Requirements: No specific recommendations.
 - d. Other Information: Normally stable.
- 8. Exposure controls/personal protection
 - a. Engineering Controls: The usual precautionary measures for handling chemicals should be observed.
 - b. Exposure Limits: No exposure limit has been established.
 - c. Personal Protection
 - i. Respirator: No specific recommendations
 - ii. Hand: No specific recommendations
 - iii. Eye: Avoid contact with eyes.
 - iv. Skin and Body: No specific recommendations
 - v. Other Information: Discard contaminated clothing and shoes.
Spontaneously flammable in air
- 9. Physical and chemical properties
 - a. Resin Ester 115 Parameter Unit Test Result
 - i. Softening Point °C 115.00
 - ii. Acid Number 25.00
 - iii. Total Ash Content % 0.50
 - iv. Insoluble Matter % 0.05
 - v. Specific Weight gr/ml 1.0125
 - vi. Loss in drying (105°C)% 0.71
 - b. Resin Ester Parameter Unit Test Result
 - i. Melting Point °C 100.00
 - ii. Acid Number 25.00
 - iii. Total Ash Content % 0.50
 - iv. Insoluble Matter % 0.05
 - v. Specific Weight gr/ml 1.0125
 - vi. Loss in drying (105°C) % 0.71
- 10. Stability and reactivity
 - a. Stability: Normally stable
 - b. Conditions to Avoid: Self-ignition may occur in case fine particles are absorbent in e.g. saw dust, clothes, or insulating material. Absorb remainder in special oil

absorbent. If absorbed in special oil absorbers or clothes, keep in fire-safe place (self-ignition may occur).

11. Toxicological information
 - a. No experimental toxicological data on the preparation as such available.
12. Ecological information (Non-mandatory)
 - a. Name: Resin Ester
 - b. Degradation Biotic: Biodegradable
13. Disposal considerations (Non-mandatory)
 - a. Product: According to local regulations (most probably controlled incineration)
 - b. Contaminated Packaging: According to local regulations.
14. Transport information (non-mandatory)
 - a. Land transport (ARD/RID)
 - i. ARD Class: Not restricted
 - ii. ARD Item number: Not relevant
 - iii. RID Class: Not restricted
 - iv. RID item number: Not relevant
 - v. Hazard Identification No.: Not relevant
 - vi. Substance Identification No.: Not relevant
 - vii. TREM-card: Not relevant
 - viii. UN Number: None
 - ix. Proper Shipping Name: Not relevant
 - b. Sea Transport (IMGD-code/IMO)
 - i. IMO/IMGD code: Not restricted
 - ii. Class: Not restricted
 - iii. Packaging Group: Not relevant
 - iv. UN Number: None
 - v. EMS: Not relevant
 - vi. MFAG: Not relevant
 - vii. Marine Pollutant: No
 - viii. Proper Shipping Name: Not relevant
 - c. Air Transport (ICAO-IT/IATA/DGR)
 - i. ICAO-TI/IATA-DGR: Not restricted
 - ii. UN Number: None
 - iii. Proper Shipping Name: Not relevant
15. Regulatory Information (non-mandatory)
 - a. Chemical Description: Resin Ester
 - b. Labeling According to EC Directives
 - i. Symbol(s): None
 - ii. Risk Phrase(s): None
 - iii. Safety Phrase(s): None
 - iv. IATA: None
16. Other Information, including date of preparation or last revision
 - a. Prepared June 28, 2018
 - b. Revised July 18, 2018