

# STRIPPER OS 243

PRODUCT DATA SHEET  
EDITION 01 – 30 May 2013

## PRODUCT DESCRIPTION

Stripper OS243 is a fast, single stage stripper formulated for complete and fast removal of Tin and Tin-Lead deposits used in PCB fabrication.

Stripper OS 243 doesn't contain complexing agents, fluoride, fluoborates, peroxides and ammonia: this is a very important benefit for waste treatment.

The product has minimal attack on copper (< 1 micron/min) and leaves the exposed copper surface clean and bright.

With a metal uptake of 150 g/l the product has a long bath life and is very economical in use.

The working bath is extremely stable and produces no sludge or precipitate making it ideal for use in feed and bleed dosing systems.

## PHISICAL PROPERTIES

State	Liquid
Density	1.17 g/cm <sup>3</sup>
Odour	Pungent
pH	< 1

## Equipment

## Material

Tank	PVC, PP, PE, Teflon
Heater	Silica, Teflon, Quartz

**Do not use titanium or stainless steel.**  
**Ventilation and exhaust aspiration is strongly recommended.**

## OPERATING PARAMETERS

Parameters	Range
Stripper OS 243	Product is supplied ready to use
Temperature	25 – 35°C
Stripping Time	Stripping time depend by equipment, type of alloy, age of solution.

## ANALYSIS PROCEDURE

### Determination of Stripper OS243 concentration total carbonate

#### Equipment

- Pipette
- 50ml burette
- 250ml Erlenmeyer flask

#### Reagents

- NaOH Solution 1.0N
- Phenolphthalein Indicator

#### Procedure

1. Pipette 5.0ml of working solution into a 250ml Erlenmeyer flask.
2. Add 50ml of DI water
3. Add 3-4 drops of Phenolphthalein Indicator
4. Titrate with NaOH 1.0N to endpoint

#### Calculation

Concentration of Stripper OS 243 (%) = ml of NaOH 1.0N \* 3.95

**Keep working solution concentration between 95 – 105%**

## PACKAGING

25 litre or 200 litre polyéthylène drums or 1000 litre polyéthylène tank.

## **STORAGE**

Store in the original container. Do not store in direct sunlight, high temperature areas or below freezing.  
Keep container closed when not in use.

## **DISPOSAL**

Stripper OS243 solution contains metals, dispose of spent solutions in accord with local regulations.

## **HANDLING PRECAUTIONS**

This product is an acid solution and will cause burns to eyes and skin.

Avoid contact with eyes, skin and clothing, do not ingest.

Avoid breathing mist or vapour from solution.

Safety glasses, rubber gloves and rubber apron should be worn when handling this material.

**READ MATERIAL SAFETY DATA SHEET PRIOR TO HANDLING THIS PRODUCT**

In case of order please indicate this code:

**Stripper OS 243**

**GC2000**

The information stated in this Data Sheet regarding the use of materials is based upon experience under laboratory controls. Elga Europe makes no guaranty or warranty, express or implied, to such use, handling or possession of such materials, or of the application of any process described in our bulletins of the results sought to be obtained, whether in accordance with the directions or claimed so to be. Any information or statements contained herein are expressly made subject to the foregoing provisions and the terms and conditions embodied in our invoice covering such materials with are to be deemed part herein. The publication hereof describing any process is not to be deemed not taken as license to operate under, nor recommendation to infringe, any patent.

The seller binds itself only to deliver goods in accordance whit the general description upon which they are sold whether or not any special particular description shall have been given or implied by law.

Any such special or particular description shall be taken only as the expression of seller's opinion in that behalf. The seller does not give any warranty as to the quality (save that the goods are of merchantable quality), state condition fitness of the goods or use to which the goods may be put.

Claims on account of weight, loss of or damage to the goods in transit ( so far as seller is liable) shall be made in writing to the seller within the period of 30 days of receipt thereof.

No claim shall be entertained after the expiration of the appropriate period mentioned above and the seller's liability by reason of any such claim shall not in any event the purchase price of the goods in respect of which a claim is made. Goods shall not be returned to the seller without the seller's express written permission.



**HEADQUARTER**  
Via della Merlata, 8  
20014 Nerviano (MI) ITALY  
T. +39 0331 58 69 47  
F. +39 0331 58 77 51



**MANUFACTURING SITE**  
Via C. Chiesa, 30  
20010 Pogliano M.se (MI) ITALY  
T. + 39 02 93 55 90 06  
F. +39 02 93 55 90 07

elgaeurope@pec.it  
R.E.A. Milano n. 861433  
Reg. Imp. di Milano n. 154339  
C.F. /P.IVA 01857060154  
Cap. Soc. € 3.014.026,00 I.V.

[www.elgaeurope.it](http://www.elgaeurope.it)