



Phone: +27 11 873 9000
 Fax: +27 11 825 4528
 Mobile: +27(0)824447123
 e-mail: solders@nationalsolder.com
 Website: www.nationalsolder.com

13 Arkin Street
 Industries East
 Germiston
 1401

P.O.BOX 1258
 Germiston
 1400

NATIONAL SOLDER CO.

TECHNICAL DATASHEET

NASCO 97/3 SOLDERING WIRE (LEAD FREE)

REV.1

Composition and technical data:

Composition – 97% Tin and 3% Copper	Results of batch test for batch (740) (26/05/2015)
	Sn 96.95
	Pb 0.031
	Sb 0.080
	Cd 0.0003
	Zn 0.0003
	Al 0.0001
	Bi 0.028
	As 0.011
	Fe 0.012
	Cu 2.877
	Ag 0.00052
	In 0.0017
	Ni 0.0049
Colour	Shiny silver metal
Melting Range (°C)	230-250
Chemical characteristics	-
PH	-
Solubility	-
State of product	Solid
Residues	-
Standard DIN EN 1045	-
Shelf life	-

Applications

Copper Plumbing Joints, Copper to Copper surfaces, Copper to pre-tinned, Copper to Steel, and other metal to metal interfaces. Good capillary action in copper piping installation requiring a lead free non toxic alloy, in food processing, pharmaceuticals, refrigeration etc. High temperature resistance for hot water systems. Provides excellent tinning and solder wetting with NASCO Fluxes.

Plumbing industry: NASCO FLUX

Electronics industry: NASCO No Clean Flux

Features and Benefits

Low impurity levels, Virgin Raw Materials sourced from non-conflict areas, Lead Free, Eutectic Composition.

Solidifies quickly and consistently, Low Oxidation rate, low lead contamination, consistent melting range

Safety Note

Use with adequate ventilation and proper personal protective equipment

Do not dispose of any hazardous materials in non-approved containers

Notes

In accordance with SABS 24: 1994 requirements.

Sohum Service Station CC T/A

National Solder Company

CK1998/064332/23

Vat no. 4940203526

The information reported in this document about our products and equipment as well as our systems and procedures are based on our research and our experience in the field of applied engineering and are merely recommendations.

NATIONAL SOLDER CO. cannot foresee all circumstances in which these information and our products will be used, therefore the user must verify the suitability of our products and processes for the use or application intended by him on his own responsibility.

NATIONAL SOLDER CO. declines any liability for any loss, damage or injury howsoever arising (including any claim brought by third parties) as a result of the use of such information. Each warranty of suitability of our products and their use within the production processes of the user, must be agreed in written form.

We reserve the right to make technical modifications to this document in the course of our product development.