

STN	Tavivá na mäkké spájkovanie. Klasifikácia a požiadavky. Časť 1: Klasifikácia, označovanie a balenie (ISO 9454-1: 2016).	STN EN ISO 9454-1 05 5706
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Soft soldering fluxes - Classification and requirements - Part 1: Classification, labelling and packaging (ISO 9454-1:2016)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/16

Obsahuje: EN ISO 9454-1:2016, ISO 9454-1:2016

Oznámením tejto normy sa ruší
STN EN 29454-1 (05 5706) z januára 1999

123200

EUROPEAN STANDARD

EN ISO 9454-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2016

ICS 25.160.50

Supersedes EN 29454-1:1993

English Version

Soft soldering fluxes - Classification and requirements - Part 1: Classification, labelling and packaging (ISO 9454- 1:2016)

Flux de brasage tendre - Classification et exigences -
Partie 1: Classification, marquage et emballage (ISO
9454-1:2016)

Flussmittel zum Weichlöten - Einteilung und
Anforderungen - Teil 1: Einteilung, Kennzeichnung und
Verpackung (ISO 9454-1:2016)

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Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 9454-1:2016) has been prepared by Technical Committee ISO/TC 44 “Welding and allied processes” in collaboration with Technical Committee CEN/TC 121 “Welding and allied processes” the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 29454-1:1993.

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Endorsement notice

The text of ISO 9454-1:2016 has been approved by CEN as EN ISO 9454-1:2016 without any modification.

**Soft soldering fluxes — Classification
and requirements —**

Part 1:
Classification, labelling and packaging

Flux de brasage tendre — Classification et exigences —

Partie 1: Classification, marquage et emballage





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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Classification of fluxes	1
3 Labelling and packaging	1
Annex A (informative) Grades of fluxes	3
Annex B (informative) Testing of fluxes	6
Bibliography	9

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#).

The committee responsible for this document is ISO/TC 44, *Welding and allied processes*, Subcommittee SC 12, *Soldering materials*.

This second edition cancels and replaces the first edition (ISO 9454-1:1990), which has been technically revised.

ISO 9454 consists of the following parts, under the general title *Soft soldering fluxes — Classification and requirements*:

- *Part 1: Classification, labelling and packaging*
- *Part 2: Performance requirements*

Introduction

Fluxes assist molten solder to wet metal surfaces to be joined by removing oxides and related contaminations from the solder and surfaces of the parts during soldering. Fluxes also protect surfaces from oxidation and assist wetting of the base metals by molten solder.

Care is necessary when selecting a flux for a particular application, in order to ensure an adequate service life of the assembly. Factors such as the ease of residue removal, corrosiveness, possible health and safety hazards and the efficacy of the flux should all be considered.

Soft soldering fluxes — Classification and requirements —

Part 1:

Classification, labelling and packaging

WARNING — This part of ISO 9454-1 deals with products which might be hazardous to health, or which might cause other hazards such as corrosion, fire, etc., if adequate precautions are not taken. It refers only to the technical suitability of substances and in no way absolves the testing laboratory, the supplier, or the user from legal obligations relating to health and safety at any stage of flux manufacture or use.

1 Scope

This part of ISO 9454-1 specifies a coding system for the classification of fluxes intended for use with soft solders, according to their active fluxing ingredients, together with requirements for labelling and packaging.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN