

## SLOVENSKI STANDARD SIST EN ISO 9454-1:2016

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Talila za mehko spajkanje - Klasifikacija in zahteve - 1. del: Klasifikacija, označevanje in pakiranje (ISO 9454-1:2016)

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

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

Flux de brasage tendre - Classification et caractéristiques - Partie 1: Classification, marquage et emballage (150 9454 1: 2016) undards/sist/f6bfe6a7-d3ed-4e2b-bfb4-6b4f4dcfl 8ae/sist-en-iso-9454-1-2016

Ta slovenski standard je istoveten z: EN ISO 9454-1:2016

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25.160.50 Trdo in mehko lotanje Brazing and soldering

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**SIST EN ISO 9454-1:2016** 

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN ISO 9454-1

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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EN ISO 9454-1:2016 (E)

### **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of an identical text or by endorsement, at the latest by September 2016, and conflicting national standards shall be withdrawn at the latest by September 2016.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.

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### (stan Endorsement notice)

The text of ISO 9454-1:2016 has been approved by 6CEN as EN ISO 9454-1:2016 without any modification. https://standards.iteh.ai/catalog/standards/sist/f6bfe6a7-d3ed-4e2b-bfb4-6b4fdcfl8ae/sist-en-iso-9454-1-2016

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## INTERNATIONAL STANDARD

ISO 9454-1

Second edition 2016-02-01

## Soft soldering fluxes — Classification and requirements —

Part 1: Classification, labelling and packaging

Flux de brasage tendre — Classification et exigences —

iTeh STPartie 1: Classification, marquage et emballage (standards.iteh.ai)



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### **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 <a href="www.iso.org/directives">www.iso.org/directives</a>).

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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*.

SIST EN ISO 9454-1:2016

This second edition cancels: and replaces the first and ition (180d 9454-1:1990), which has been technically revised. 6b4f4dcfl 8ae/sist-en-iso-9454-1-2016

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 an assist wetting of the basis 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.

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