

# EN420

## Protective gloves: General requirements

**Reference number:** EN 420: 1994 (currently under revision)

**Status:** European Standard - This standard is a reference standard to be referred to in other standards. This standard can not be applied alone but only in association with a specific product standard.

**Scope:** This standard specifies the general requirements: ergonomic requirements, construction, sizing, high visibility, marking, information for the user for protective gloves.

## Requirements

- Ergonomy: best possible degree of comfort that is consonant with the provision of adequate protection.
- Innocuousness: The materials and components should not be known to affect adversarial the wearer.
- Not harm the user in normal use.
- pH-value greater than 3,5 and less than 9,5.
- Chromate content less than 10 ppm.
- Sizing:

Sizes of hands	Palm circumference	Length
6	152 mm	160 mm
7	177 mm	171 mm
8	203 mm	182 mm
9	228 mm	192 mm
10	254 mm	204 mm
11	280 mm	215 mm

-Sizes of gloves: six sizes are defined

Size	Minimal length
6	220 mm
7	230 mm
8	240 mm
9	250 mm
10	260 mm
11	270 mm

Remark:

Gloves for special applications with sizes that do not conform with the values shall be shown to be designed: "fit for purpose"

- Dexterity: 5 performance levels, determined by a test in which metal bars of various diameter are picked up.
- Absorbing power and permeability: If required the gloves of leather should have water vapour resistance lower than  $2 \text{ mg}/(\text{cm}^2 \cdot \text{h})$ .

## Marking

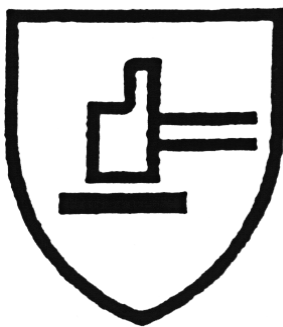
- **Each protective glove marked with the following information:**
- Name or trade mark or identification of the manufacturer or authorized representative
- Glove designation (commercial name or code)
- Size designation
- EC mark
- If marking on the glove is deemed to reduce the performance level or is incompatible with the application, marking will be on the smallest packaging enclosure

- **Each smallest commercial packaging enclosure will be marked with the following:**
- Name and full address of manufacturer or authorized representative
- Glove designation (commercial name or code)
- Information on the available size range
- Where applicable, pictograms indicating protective fields with corresponding performance levels.
- Instructions for use if relevant
  
- **Instructions for use: the following minimum information shall be supplied:**
- Name and full address of manufacturer or authorized representative
- Glove designation (commercial name or code)
- Information on the available size range
- Where applicable, pictograms indicating protective fields with corresponding performance levels.
- Instructions for use if relevant
  
- **Care instructions:**
- Storage instructions if relevant
- Cleaning pictograms and the number of cleaning operations
- Reference to accessories and spare parts if relevant
- The type of packaging suitable for transport

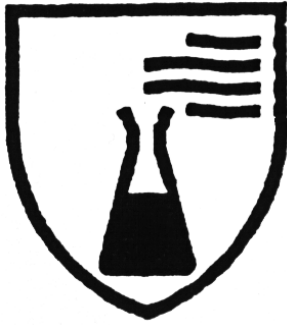
## **Instructions for use**

- To be provided by the manufacturer in at least the official language(s) of the country of use; precise and understandable for the user
- Contents:
- Name and full address of manufacturer or authorized representative
- Glove designation (commercial name or code)
- Information on the available size range
- Where applicable, pictograms indicating protective fields with corresponding performance levels.
- Instructions for use if relevant
- Care instructions:
- Storage instructions if relevant
- Cleaning pictograms and the number of cleaning operations
- Reference to accessories and spare parts if relevant
- The type of packaging suitable for transport

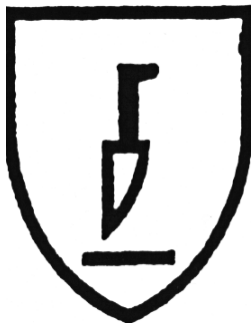
## **Pictograms**



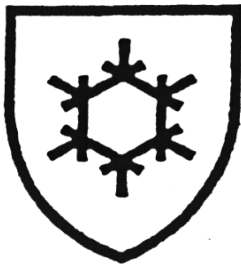
**Mechanical Risks**



**Chemical Risks**



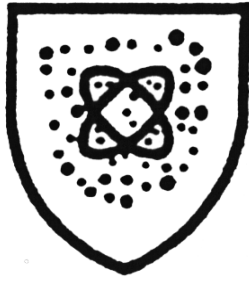
**Impact Cut**



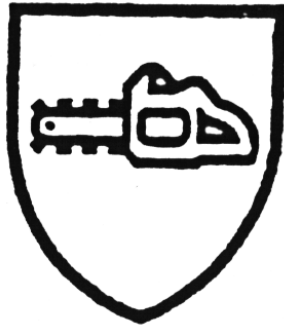
**Low Temperature Risks**



**Heat and Fire Risks**



**Ionizing Radiation**



**Risk of hand held Chain Saws**



**See information leaflet**